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1988
Jan.-Mar

NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced during
Janurary, February, March 1988

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service

PREPARED BY

U.S. NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

INFORMATION SYSTEMS BRANCH

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National Institutes of Health

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ACTIVITY CODES

C06 CANCER RESEARCH FACILITIES (NCI)

D42 HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING GRANT

F05 INTERNATIONAL FELLOWSHIPS (NCI)PS (FIC)
F06 SENIOR INTERNATIONAL FELLOWSHIPS (FIC)
F15 FOGARTY INTERNATIONAL SCHOLARSHIPS (FIC)
F20 FRENCH, SWISS, SWEDISH POSTDOCTORAL FELLOWSHIPS
F31 PREDOCTORAL INDIVIDUAL NATIONAL RES. SERVICE AWD.
F32 POSTDOCTORAL INDIVIDUAL NAT'L. RES. SERVICE AWD.
F33 NATIONAL RESEARCH SERVICE AWARD FOR SENIOR FELLOWS
F34 MARC (NRSA) FACULTY FELLOWSHIPS (NIGMS)
F36 MARC VISITING SCIENTIST FELLOWSHIPS (NIGMS)

G07 RESOURCES IMPROVEMENT GRANT (NLM)
G08 RESOURCES PROJECT GRANT (NLM)
G12 RESEARCH CENTERS IN MINORITY INSTITUTIONS AWARD

K01 RESEARCH SCIENTIST DEV. AWARD--RES. AND TRAINING
K04 MODIFIED RESEARCH CAREER DEVELOPMENT AWARD
K07 ACADEMIC INVESTIGATOR AWARDS
K08 CLINICAL INVESTIGATOR AWARD
K10 SPECIAL SCIENTIFIC PROJECTS (NLM)
K11 PHYSICIAN SCIENTIST AWARD (INDIVIDUAL)
K12 PHYSICIAN SCIENTIST AWARD (PROGRAM)
K14 MINORITY SCHOOL FACULTY DEVELOPMENT AWARD

M01 GENERAL CLINICAL RESEARCH CENTERS (DRR)

N01 RESEARCH AND PROJECT CONTRACTS

N43 SMALL BUSINESS INNOVATION RESEARCH (SBIR)--PHASE I

P01 RESEARCH PROGRAM PROJECTS
P20 EXPLORATORY GRANTS
P30 CENTER CORE GRANTS
P40 ANIMAL RESOURCE GRANT PROGRAM (DRR)
P41 BIOTECHNOLOGY RESOURCE GRANT PROGRAM
P50 SPECIALIZED CENTER
P51 PRIMATE RESEARCH CENTER GRANTS (DRR)
P60 COMPREHENSIVE CENTER

R01 RESEARCH PROJECT GRANTS--TRADITIONAL
R10 COOPERATIVE CLINICAL RESEARCH
R18 RESEARCH DEMONSTRATION AND DISSEMINATION PROJECTS
R15 ACADEMIC RESEARCH ENHANCEMENT AWARDS (AREA)
R21 EXPLORATORY/DEVELOPMENTAL GRANTS
R22 U.S.-JAPAN COOPERATIVE MEDICAL SCIENCE PROGRAM
R23 YOUNG, NEW, AND SPECIAL INVESTIGATOR AWARDS
R24 RESOURCE-RELATED RESEARCH PROJECTS (DRR)
R25 EDUCATION PROJECTS
R26 NATIONAL ORGAN SITES PROJECT (NCI) OR AWARDS
R29 FIRST INDEPENDENT RESEARCH SUPPORT AND TRANSITION (FIRST) AWARD
R35 OUTSTANDING INVESTIGATOR GRANTS
R43 SMALL BUSINESS INNOVATION RESEARCH GRANTS (SBIR)--PHASE I
R44 SMALL BUSINESS INNOVATION RESEARCH GRANTS (SBIR)--PHASE II

S03 MINORITY HIGH SCHOOL STUDENT RESEARCH APPRENTICE PROGRAM (DRR)
S06 MINORITY BIOMEDICAL SUPPORT--MBS (DRR)
S07 BIOMEDICAL RESEARCH SUPPORT GRANT (DRR)
S08 BIOMEDICAL RESEARCH DEVELOPMENT GRANT (DRR)
S10 BIOMEDICAL RESEARCH SUPPORT SHARED INSTRUMENTATION GRANTS(DRR)
S11 MINORITY BIOMEDICAL RES. SUPPORT THEMATIC PROJECT GRANTS (DRR)
S14 MINORITY BIOMEDICAL RESEARCH SUPPORT GRANT PROGRAM FOR UNDERGRADUATE COLLEGES (DRR)

T32 INSTITUTIONAL NATIONAL RESEARCH SERVICE AWARD
T34 MARC UNDERGRADUATE NRSA INSTITUTIONAL GRANTS TRAINING

U01 RESEARCH PROJECT (COOPERATIVE AGREEMENTS)
U10 COOPERATIVE CLINICAL RESEARCH (COOPERATIVE AGREEMENTS)
U26 ORGAN SYSTEM COORDINATING CENTER (COOPERATIVE AGREEMENTS)
U41 BIOTECHNOLOGY RESOURCES (COOPERATIVE AGREEMENTS)
U50 SPECIAL COOPERATIVE HEALTH INVESTIGATIONS AND ASSESSMENTS OF CONTROL AND PREVENTION METHODS

SYMBOLS USED TO IDENTIFY THE ADMINISTERING INSTITUTE OR DIVISION

AG NATIONAL INSTITUTE ON AGING
AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AR NATIONAL INSTITUTE OF ARTHRITIS AND MUSCULOSKELETAL AND SKIN DISEASES
CA NATIONAL CANCER INSTITUTE

- CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
- CM DIVISION OF CANCER TREATMENT
- CN DIVISION OF CANCER PREVENTION AND CONTROL
- CO OFFICE OF THE DIRECTOR, NCI
- CP DIVISION OF CANCER ETIOLOGY

CL CLINICAL CENTER
CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE NATIONAL INSTITUTE OF DENTAL RESEARCH
DK NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES
ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY NATIONAL EYE INSTITUTE
GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

- HB DIVISION OF BLOOD DISEASES AND RESOURCES
- HC DIVISION OF EPIDEMIOLOGY AND CLINICAL APPLICATIONS
- HI DIVISION OF INTRAMURAL RESEARCH
- HO OFFICE OF THE DIRECTOR, NHLBI
- HR DIVISION OF LUNG DISEASES
- HV DIVISION OF HEART AND VASCULAR DISEASES

NR NATIONAL CENTER FOR NURSING RESEARCH
NS NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE
RG DIVISION OF RESEARCH GRANTS
RR DIVISION OF RESEARCH RESOURCES
RS DIVISION OF RESEARCH SERVICES
LM NATIONAL LIBRARY OF MEDICINE
OD OFFICE OF THE DIRECTOR, NIH

- DS DIVISION OF SAFETY

TW FOGARTY INTERNATIONAL CENTER

GRANTS AND AWARDS ANNOUNCED DURING JANUARY, FEBRUARY, MARCH, 1988

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS	
	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS	NO.	DOLLARS
AG	47	5,221,904	1	45,281	0	0	3	240,896	1	24,996	0	0	0	0
AI	116	11,941,094	4	230,204	9	6,496,496	2	184,514	5	132,000	0	0	0	0
AR	50	3,936,200	4	232,337	1	209,873	0	0	1	33,000	0	0	0	0
CA	166	15,026,245	8	441,253	0	0	6	365,082	10	201,960	0	0	0	0
CL	0	0	0	0	1	124,340	0	0	0	0	0	0	0	0
CM	0	0	0	0	3	2,105,676	0	0	0	0	0	0	0	0
CO	0	0	0	0	3	3,193,713	0	0	0	0	0	0	0	0
CP	0	0	0	0	6	3,322,459	0	0	0	0	0	0	0	0
DE	16	1,693,973	0	0	1	210,022	0	0	5	142,992	0	0	0	0
DK	81	6,383,461	2	141,907	1	112,716	2	223,427	15	371,016	0	0	0	0
ES	11	876,399	2	101,518	6	1,664,602	0	0	7	144,972	0	0	0	0
EY	42	3,307,451	0	0	5	364,217	1	104,653	7	150,509	0	0	0	0
GM	220	18,764,386	0	0	0	0	2	101,690	54	1,098,376	0	0	0	0
HD	63	6,144,894	1	64,274	2	205,029	0	0	7	170,000	0	0	0	0
HL	174	19,952,136	5	291,153	0	0	0	0	10	237,496	0	0	0	0
HV	0	0	0	0	3	15,129	0	0	0	0	0	0	0	0
LM	2	166,335	0	0	5	625,442	0	0	0	0	0	0	0	0
NR	4	274,229	0	0	0	0	0	0	12	126,624	0	0	0	0
NS	188	17,359,053	17	1,045,893	1	141,919	0	0	10	212,004	0	0	0	0
RR	74	8,072,128	0	0	1	147,916	0	0	1	33,000	0	0	0	0
TW	0	0	0	0	0	0	0	0	3	62,950	0	0	0	0
	1,254	119,119,888	44	2,593,820	48	18,939,549	16	1,220,262	148	3,141,895	0	0	0	0

*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS; INCLUDES CANCER CONTROL GRANTS; INCLUDES COOPERATIVE AGREEMENTS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
BAPTIST MEDICAL CENTERS--BAPTIST MEDICAL CENTER-PRINCETON			
1S07 RR05992-01	LONG, CALVIN L	BIOMEDICAL RESEARCH SUPPORT GRANT	18,341
INSTITUTION TOTAL	1	18,341	
SOUTHERN RESEARCH INSTITUTE			
1R01 CA46951-01	STRUCK, ROBERT F	CYCLOPHOSPHAMIDE PHARMACOKINETICS--EFFECT OF RANITIDINE	22,899
INSTITUTION TOTAL	1	22,899	
UNIVERSITY OF ALABAMA SYSTEM--UNIVERSITY OF ALABAMA AT BIRMINGHAM			
1R01 AR39244-01	BAKER, JOHN R	STRUCTURE AND INTERACTIONS OF PROTEOGLYCANS	61,867
1R01 GM40176-01	BROWN, S LORI	INTERLEUKIN REGULATION OF PROOPIOMELANOCORTIN GENE	75,526
1R01 NS25693-01	DAVIS, BARRY J	PONTINE TASTE AREA	36,559
1R01 GM37933-01A1	GANONG, BARRY R	REGULATION OF INOSITIDE KINASES AND PHOSPHATASES	78,052
1R01 HD24496-01	HAUTH, JOHN C	LOW-DOSE ASA & PREVENTION OF PREGNANCY HYPERTENSION	109,967
1R01 AI25214-01A1	HOWARD, THOMAS H	NEUTROPHIL MOVEMENT--CELLULAR AND MOLECULAR CONTROL	106,781
1R01 CA45232-01	KHAZAELI, M B	IGG CHIMERIC MONOCLONAL ANTIBODIES	124,568
1R29 HL38910-01A1	SALEH, MANSOOR N	FC-RECEPTOR MEDIATED CELL-CELL INTERACTION IN ITP	51,477
1R01 NS24636-01A1	WEIGENT, DOUGLAS A	GROWTH HORMONE AND THE IMMUNE SYSTEM	70,025
INSTITUTION TOTAL	9	714,822	
CITY TOTAL	11	756,062	
MOBILE			
UNIVERSITY OF SOUTH ALABAMA			
1R01 EY07564-01	LAUSCH, ROBERT N	PROTECTIVE MECHANISM OF HERPES SIMPLEX VIRUS ANTIBODY	101,537
1P60 HL38639-01	MANKAD, VIPUL N	COMPREHENSIVE SICKLE CELL CENTER	825,830
INSTITUTION TOTAL	2	927,367	
CITY TOTAL	2	927,367	
STATE TOTAL	13	1,683,429	
ALASKA			
ANCHORAGE			
UNIVERSITY OF ALASKA SYSTEM--UNIVERSITY OF ALASKA ANCHORAGE CAMPUS			
1R01 NS24078-01A1	KULLBERG, RICHARD W	DEVELOPMENT OF NICOTINIC ACETYLCHOLINE RECEPTOR FUNCTION	73,936
INSTITUTION TOTAL	1	73,936	
CITY TOTAL	1	73,936	
STATE TOTAL	1	73,936	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ARIZONA			
PHOENIX			
ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER			
1R01 NS25616-01	CRAIG, ARTHUR D	SELECTIVITY IN THE LAMINA I SPINOTHALAMIC PROJECTION	74,509
INSTITUTION TOTAL	1	74,509	
CITY TOTAL	1	74,509	
SCOTTSDALE			
SOUTHWEST BIOMEDICAL RESEARCH INSTITUTE			
1S07 RR06000-01	HECHT, FREDERICK	BIOMEDICAL RESEARCH SUPPORT GRANT	21,874
INSTITUTION TOTAL	1	21,874	
CITY TOTAL	1	21,874	
TEMPE			
ARIZONA STATE UNIVERSITY			
1S10 RR03953-01	CHANDLER, DOUGLAS E	PURCHASE OF A BIOMEDICAL ELECTRON MICROSOPE	191,000
1R29 GM39541-01	SCHREIER, HAROLD J	REGULATION OF GLNA IN BACILLUS SUBTILIS	74,717
1R29 AI24915-01A1	SMITH, GEORGIA F	DEPENDENT ENDONUCLEASE AND INTERFERON ACTION	62,669
INSTITUTION TOTAL	3	328,386	
CITY TOTAL	3	328,386	
TUCSON			
IMAGE ANALYTICS CORPORATION			
1R43 RR04261-01	BUCHROEDER, RICHARD A	CALIBRATION PROJECTIVE FOR VIDEOMICROPHOTOMETRY	49,698
INSTITUTION TOTAL	1	49,698	
UNIVERSITY OF ARIZONA			
1R01 GM41413-01	BROWN, MICHAEL F	NMR STUDIES OF MEMBRANE STRUCTURE AND DYNAMICS	104,650
1R01 NS25596-01	BURD, GAIL D	DEVELOPMENT OF THE OLFACTORY SYSTEM	86,947
1R01 ES04616-01	CARTER, DEAN E	DISPOSITION METABOLISM AND TOXICITY OF HALOALDEHYDES	89,568
1R01 CA44869-01A1	DAVIS, THOMAS P	METABOLISM--AUTOCRINE PEPTIDES/SMALL CELL LUNG CANCER	62,926
1R29 GM39082-01	HOLDEN, HAZEL M	STRUCTURAL STUDIES OF ELECTRON TRANSPORT PROTEINS	55,992
1R29 NS25644-01	MATSUMOTO, STEVEN G	SYMPATHETIC TRANSMITTER MECHANISMS IN VISCERAL CONTROL	57,662
1R01 NR01559-01A1	MURDAUGH, CAROLYN L	PREDICTORS OF QUALITY OF LIFE IN HEART TRANSPLANTATION	66,863
1S10 RR04152-01	SCHRAM, KARL H	MASS SPECTROMETER ACCESSORIES	209,000
1R01 GM37912-01A1	WALSH, JAMES B	GENOME EVOLUTION--POPULATION GENETIC ASPECTS	32,913
INSTITUTION TOTAL	9	766,521	
CITY TOTAL	10	816,219	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	15	1,240,988	
ARKANSAS			
LITTLE ROCK			
UNIVERSITY OF ARKANSAS MEDICAL SCIENCES AT LITTLE ROCK			
1R03 EY07646-01	JAY, WALTER M	31P NMR AND OPTIC NERVE METABOLISM	25,000
1R29 EY07584-01	JOHNSON, JAMES E	SURVIVAL FACTORS REQUIRED BY VISUAL SYSTEM NEURONS	90,279
1R01 AI26328-01	RANK, ROGER G	T CELL MEDIATED IMMUNITY IN CHLAMYDIAL GENITAL INFECTION	103,553
1R29 NS26045-01	RUWE, WILLIAM D	NEUROPEPTIDERGIC MEDIATION OF THE ACUTE PHASE REACTION	89,569
1R01 AG07473-01	UDUPA, KODETTHOOR B	MICROENVIRONMENT, AGING, AND NEUTROPHIL FUNCTION	68,371
INSTITUTION TOTAL	5	376,772	
CITY TOTAL	5	376,772	
STATE TOTAL	5	376,772	
CALIFORNIA			
BERKELEY			
THORATEC LABORATORIES CORPORATION			
1R43 HL40238-01	LITWAK, PHILIP	THROMBORESISTANT POLYURETHANE CARDIAC VALVE DEVELOPMENT	21,986
INSTITUTION TOTAL	1	21,986	
UNIVERSITY OF CALIFORNIA AT BERKELEY			
1S10 RR04025-01	BANKS, MARTIN S	IMAGE PROCESSING STATION	191,000
1R01 EY07606-01	COHN, THEODORE E	PSYCHOPHYSICAL ANALYSIS OF VISUAL SENSORY DEFICIENCY	57,308
1R01 GM39296-01	KLINMAN, JUDITH P	PROBES OF STRUCTURE AND MECHANISM IN COPPER AMINE	107,472
1R01 AG07476-01	LEVENSON, ROBERT W	AGING AND EFFECTIVE MARITAL FUNCTIONING	109,620
1R01 NS26117-01	MILLER, JOHN P	INPUT/OUTPUT PROPERTIES OF A MAPPED SENSORY SYSTEM	109,314
1R01 DK38879-01A1	NICOLL, CHARLES S	FUNCTIONAL SIGNIFICANCE OF 16K PROLACTIN	61,098
1R01 AI26187-01	OHMAN, DENNIS E	PROTEASE SECRETION IN PSEUDOMONAS AERUGINOSA	98,059
1R01 CA47597-01	PACKER, LESTER	MEMBRANE REACTIONS OF VITAMIN E	57,848
1R01 GM39374-01	STEINHARDT, RICHARD A	IONIC MECHANISMS IN THE REGULATION OF MITOSIS	128,385
INSTITUTION TOTAL	9	920,104	
UNIVERSITY OF CALIFORNIA-LAWRENCE BERKELEY LABORATORY			
1R01 HL40521-01	BASTACKY, SAMUEL J	ALVEOLAR LINING LAYER IN THE LUNG	70,820
1R29 HL38248-01A1	LEVEN, ROBERT M	CELL BIOLOGY OF MEGAKARYOCYTOPOIESIS	54,275
1R01 CA47723-01	SINGER, BEA A	BIOCHEMICAL MECHANISMS OF VINYL CHLORIDE CARCINOGENESIS	173,665
1R01 HL38763-01A1	WILLIAMS, PAUL T	LIPOPROTEIN SUBFRACTIONS & CHD DURING 25 YR FOLLOW-UP	157,343
INSTITUTION TOTAL	4	456,103	
CITY TOTAL	14	1,398,193	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS			
1R01 AI26154-01	ELDRIDGE, BRUCE F	ECOLOGY OF CALIFORNIA & BUNYAMWERA SEROGROUP VIRUSES	148,983
1R01 GM40082-01	HERSHEY, JOHN W	FUNCTION OF INITIATION FACTORS IN BACTERIAL TRANSLATION	116,648
1R01 AG06665-01A2	HORWITZ, BARBARA A	EXERCISE EFFECTS ON RESPONSES TO COLD	161,306
1R01 AR39031-01	ISSEROFF, ROSLYN-RIVKAH	KERATINOCYTE DIFFERENTIATION BY W-3 FATTY ACIDS	49,971
1R01 AG07711-01	REISER, KAREN M	COLLAGEN CROSSLINKS--BIOMARKERS OF AGING	81,603
1R01 GM38133-01A1	SAXTON, MICHAEL J	LATERAL DIFFUSION IN AN ARCHIPELAGO	68,615
1R01 AR39040-01	ZIBOH, VINCENT A	NUTRITIONAL SIGNIFICANCE OF POLYUNSATURATED FATTY ACIDS	91,856
INSTITUTION TOTAL	7	718,982	
CITY TOTAL	7	718,982	
DUARTE			
CITY OF HOPE NATIONAL MEDICAL CENTER			
1R29 CA44602-01A1	CARR, BRIAN I	TGFB RECEPTORS IN HEPATOCARCINOGENESIS	65,842
INSTITUTION TOTAL	1	65,842	
CITY TOTAL	1	65,842	
GRASS VALLEY			
APPLIED DESIGN LABORATORIES, INC.			
1R43 EY07631-01	MILNER, RONALD E	NAVIGATION DEVICE FOR THE BLIND	35,700
INSTITUTION TOTAL	1	35,700	
CITY TOTAL	1	35,700	
IRVINE			
INTERPORE INTERNATIONAL			
1R43 RR04262-01	SHORS, EDWIN C	CERAMIC/POLYMER 3-D MEMBRANE FOR PERFUSION CELL CULTURE	47,174
INSTITUTION TOTAL	1	47,174	
UNIVERSITY OF CALIFORNIA AT IRVINE			
1R01 AR38974-01A1	FRIOU, GEORGE J	PSS--ROLE OF IL-1 INHIBITOR/FIBROBLAST STIMULATOR	86,530
1R29 NS25658-01	HONDA, CHRISTOPHER N	NON-LEMNISCAL INTEGRATION IN VENTROBASAL THALAMUS	62,835
1P01 NS25674-01	KITZES, LEONARD M	STRUCTURE AND FUNCTION OF AUDITORY CORTEX	737,646
1R01 GM39404-01	MC ALISTER-HENN, L LEE	COMPARTMENTALIZED ISOZYMES OF ISOCITRATE DEHYDROGENASE	71,311
1R29 NS25729-01	SCHWARK, HARRIS D	INTRINSIC FUNCTIONAL ORGANIZATION OF SI CORTEX	69,424
1R01 HD23745-01	SMITH, MOYRA	ANALYSIS OF GENETIC LINKAGE IN TUBEROUS SCLEROSIS	114,028
1R01 NS26100-01	SULLIVAN, REGINA M	OLFACTORY BASED FILIAL RESPONSES	38,522

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
IRVINE			
UNIVERSITY OF CALIFORNIA AT IRVINE			
1R01 NS25631-01	WASMUTH, JOHN J	ISOLATION OF THE HUNTINGTON'S DISEASE GENE	112,047
INSTITUTION TOTAL	8	1,292,343	
CITY TOTAL	9	1,339,517	
LA JOLLA			
AGOURON PHARMACEUTICALS, INC.			
1R43 AI25996-01	WELSH, KATHERINE M	SITE-DIRECTED DRUG DESIGN AGAINST PLASMODIUM FALCIPARUM	38,981
INSTITUTION TOTAL	1	38,981	
LA JOLLA CANCER RESEARCH FOUNDATION			
1R01 HL38417-01A1	PIERSCHBACHER, MICHAEL D	PEPTIDE INHIBITORS OF THE PLATELET ADHESION RECEPTOR	124,633
INSTITUTION TOTAL	1	124,633	
MEDICAL BIOLOGY INSTITUTE			
1R29 AI25086-01A1	GRITZMACHER, CHRISTINE A	IGE HEAVY CHAIN CLASS SWITCHING A MOLECULAR ANALYSIS	59,760
INSTITUTION TOTAL	1	59,760	
SALK INSTITUTE FOR BIOLOGICAL STUDIES			
1R01 EY07605-01	ALBRIGHT, THOMAS D	MOTION AND FORM PROCESSING IN EXTRASTRIATE VISUAL CORTEX	112,284
1R01 HD23818-01	MELLON, PAMELA L	GLYCOPROTEIN HORMONE A SUBUNIT GENE TRANSCRIPTION	78,037
1R01 NS26102-01	NEVILLE, HELEN J	NEUROBEHAVIORAL DEVELOPMENT IN NORMAL AND LI/RD CHILDREN	105,607
INSTITUTION TOTAL	3	295,928	
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
1R01 GM39434-01	BOKOCH, GARY M	REGULATION OF NEUTROPHIL RECEPTOR/G PROTEIN INTERACTIONS	83,201
1R01 AI25913-01	BUCHMEIER, MICHAEL J	MECHANISMS OF MURINE CORONAVIRUS NEUROVIRULENCE	79,956
1R01 GM39266-01	CASE, DAVID A	THEORETICAL STUDIES OF LIGAND BINDING TO HEME PROTEINS	91,058
1R01 GM39914-01	CASE, DAVID A	ELECTRONIC STRUCTURES OF IRON-SULFUR & RELATED PROTEINS	54,782
1R29 GM40120-01	CHAZIN, WALTER J	STRUCTURE AND DYNAMICS OF CALBINDIN 9K BY 2D NMR	57,956
1R01 AR39039-01	CHEN, POJEN P	MOLECULAR GENETICS OF AUTOANTIBODIES IN HUMANS	96,709
1R01 CA45726-01A1	CHERESH, DAVID A	REGULATION OF TUMOR CELL ATTACHMENT BY SURFACE ANTIGENS	90,860
1R29 GM39476-01	GASCOIGNE, NICHOLAS R	SOLUBLE T CELL RECEPTOR STUDIES ON MHC RESTRICTION	68,879
1R29 AR39178-01	HOBBS, MONTE V	ROLE OF RHEUMATOID FACTOR IN IMMUNOREGULATION	54,611
1R01 GM39442-01	HOCH, JAMES A	UPSTREAM ACTIVATION OF BACILLUS PROMOTERS	88,346
1R01 AR39155-01	MILLIGAN, RONALD A	CRYO-ELECTRON MICROSCOPY OF MUSCLE FILAMENTS	88,493
1R01 DK37915-01A1	PETERSON, PER A	RETINOID-BINDING PROTEINS	116,185

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
1R01 AI26610-01	PETERSON, PER A	EXPRESSION OF HUMAN CLASS II ANTIGENS	108,526
1R01 GM40089-01	RANCE, MARK A	DEVELOPMENTS IN 2D NMR STUDIES OF BIOMACROMOLECULES	101,700
1R01 GM39429-01	REED, STEVEN I	GENETICS OF PHEROMONE TRANSDUCTION IN YEAST	81,349
1R29 CA44505-01A1	RIDEOUT, DARRYL C	ANTITUMOR SPECIFICITY AMPLIFICATION	60,702
1R29 AI25522-01	SALVATO, MARIA S	MOLECULAR DETERMINANTS OF THE CYTOTOXIC T CELL RESPONSE	67,489
1R29 GM39068-01	SULLIVAN, KEVIN F	MOLECULAR ANALYSIS OF MAMMALIAN KINETOCHORE STRUCTURE	56,969
1R01 DK40251-01	WILSON, CURTIS B	PATHOPHYSIOLOGY OF IMMUNE GLOMERULAR INJURY	116,391
1R29 HL39773-01	ZURAW, BRUCE L	REGULATION OF C1 INHIBITOR SYNTHESIS AND CATABOLISM	56,593
INSTITUTION TOTAL 20		1,620,755	
UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
1S10 RR04059-01	BARNHART, JAMES L	X-RAY FLOURESCENCE SPECTROMETER SYSTEM	125,000
1R29 DK39996-01	BRENNER, DAVID A	MOLECULAR DEFECT IN PROTOPORPHYRIA	68,188
1R29 GM39056-01	BRIAN, ANDRIENNE A	FLUORESCENCE STUDIES OF T-CELL RECOGNITION	68,918
1R01 AI24285-01A2	GILLIN, FRANCES D	ENCYSTATION & CHITIN SYNTHETASE OF PARASITIC PROTOZOA	158,217
1R01 CA46675-01	LASSER, ELLIOTT C	MONIONIC REACTIONS--STERIOD MODIFICATION	139,597
1R01 CA44574-01A1	MARTIN, JOEL F	MULTINUCLEAR IN VIVO MRI/MRS--DEVELOPMENT/APPLICATION	106,979
1R29 HL40649-01	ROTH, DAVID M	MYOCARDIAL ADAPTATION TO CORONARY OCCLUSION	63,475
1R13 CA48097-01	ROYSTON, IVOR	THIRD INTERNATIONAL CONFERENCE ON MONOCLONAL ANTIBODY	7,000
1R29 NS26107-01	THAL, DONNA J	EARLY IDENTIFICATION OF RISK FOR LANGUAGE DISORDER	60,254
1R01 GM39972-01	TRAYLOR, TEDDY G	METALLOENZYME SITES--SYNTHESES AND BIOMIMETIC CHEMISTRY	101,804
INSTITUTION TOTAL 10		899,432	
CITY TOTAL 36		3,039,489	
LOS ANGELES			
CEDARS-SINAI MEDICAL CENTER			
1R29 HL38948-01A1	HICKEY, ANN E	NEW INTERVENTIONAL CARDIOVASCULAR TECHNIQUES	60,738
1R01 AI25541-01	HO, DAVID D	HIV DOMAINS IMPORTANT FOR ANTIBODY NEUTRALIZATION	121,121
1R01 EY07566-01	WECHSLER, STEVEN L	OCULAR HSV INFECTION--LATENCY AND REACTIVATION	95,406
INSTITUTION TOTAL 3		277,265	
CHILDREN'S HOSPITAL OF LOS ANGELES			
1R01 EY07846-01	FUNG, YUEN K	FUNCTION AND REGULATION OF THE RETINOBLASTOMA GENE	85,886
1R01 NS26310-01	KIM, KWANG S	PATHOGENESIS AND TREATMENT OF NEONATAL MENINGITIS	77,070
1R01 CA44470-01A1	WEISSMAN, BERNARD E	CHARACTERIZATION OF PEDIATRIC RECESSIVE CANCER GENES	77,752
INSTITUTION TOTAL 3		240,708	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LOS ANGELES			
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY-UNIV OF SO CALIFORNIA MED CTR			
1R01 NS26584-01	RHODES, ROY H	NEUROIMMUNOPATHOLOGY OF AIDS	106,247
INSTITUTION TOTAL	1	106,247	
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
1R29 GM39512-01	ARMSTRONG, ROBERT W	SYNTHESIS OF DNA-BINDING PROTEIN MIMICS	74,529
1R01 GM39102-01	CHANG, YI-HAN	CELLULAR MECHANISMS OF HEMORRHAGED-INDUCED SUPPRESSION	107,243
1R01 ES04811-01	COOPER, EDWIN L	EARTHWORM MODEL FOR ANALYZING XENOBIOTIC IMMUNOTOXICITY	105,748
1R29 NS24596-01A1	FISHER, ROBIN S	DEVELOPMENT OF SYNAPTIC CONNECTIONS IN BASAL GANGLIA	60,405
1R13 CA47041-01	FOX, C FRED	MECHANISM AND CONSEQUENCE OF DNA DAMAGE PROCESS	10,000
1R13 GM39692-01	FOX, C FRED	GENE TRANSFER IN ANIMALS	22,000
1R13 HD24039-01	FOX, C FRED	JOINT CONFERENCE ON GROWTH FACTORS & GROWTH INHIBITORS	10,000
1R01 DK38867-01A1	KOO, ANTHONY	BLOOD FLOW IN THE DENERVATED ISCHEMIC REPERFUSED LIVER	95,041
1R01 AG07462-01	LEVINE, MICHAEL S	DOPAMINERGIC MODULATION OF AGING STRIATUM	81,326
1R01 GM39040-01	PAYNE, GREGORY S	MOLECULAR STUDIES OF CLATHRIN-COATED MEMBRANE FUNCTION	73,862
1R01 NS23980-01A2	SCHNEIDER, JAY S	MPTP-INDUCED DOPAMINE DEPLETIONS	105,623
1R01 HL40584-01	SHAPIRO, DAVID	EVALUATION OF DRUG & BEHAVIORAL CONTROL OF HYPERTENSION	129,882
1R01 HL40675-01	SHERMAN, MICHAEL P	HYPEROXIA, DRUG ANTIOXIDANTS & LUNG MACROPHAGE INTEGRITY	93,030
1R01 NS25629-01	SHOUSE, MARGARET N	DIENCEPHALIC MECHANISMS OF SLEEP-RELATED SEIZURES	110,536
1R01 NS25780-01	VILLABLANCA, JAIME R	REORGANIZATION AFTER BRAIN INJURY	56,795
1R01 NS25510-01	WOODY, CHARLES D	ROLE OF SUBCORTICAL AUDITORY NUCLEI IN CONDITIONING	113,446
INSTITUTION TOTAL	16	1,249,466	
UNIVERSITY OF SOUTHERN CALIFORNIA			
1R01 AR37399-01A2	ADAMS, JOHN S	RICKETS AND OSTEOMALACIA IN NEW WORLD PRIMATES	104,278
1R01 GM40146-01	DEANS, ROBERT J	MOLECULAR BASIS OF POLYCLONAL LYMPHOCYTE ACTIVATION	71,295
1R29 NS24645-01A1	GEE, KELVIN W	CHARACTERIZATION OF A NOVEL BENZODIAZEPINE BINDING SITE	80,732
1R29 HL38096-01A1	GREEN, GLORIA A	TRANSFORMATION OF SICKLE ERYTHROCYTES	64,577
1R01 HL41477-01	JASKOLL, TINA	ASSOCIATION OF H-2 AND LUNG DEVELOPMENT	85,278
1R01 EY07389-01	LEE, VINCENT H	MINIMIZING BLOOD TO EYE RATIO OF TOPICAL EYE MEDICATIONS	91,868
1R01 CA48780-01	PRESS, MICHAEL F	PATHOBIOLOGY OF BREAST CANCER AND HORMONE RECEPTORS	106,992
1R01 EY07550-01	SMITH, RONALD E	PATHOGENESIS OF MEIBOMIAN GLAND DYSFUNCTION	106,130
INSTITUTION TOTAL	8	711,150	
CITY TOTAL	31	2,584,836	
MENLO PARK			
SRI INTERNATIONAL			
1R01 CA41638-01A1	EDMONDS, PETER D	BIOEFFECTS OF DIAGNOSTIC ULTRASOUND RADIATION	107,205
1R01 EY07319-01	PIANTANIDA, THOMAS P	HUMAN COLOR VISION--PSYCHOPHYSICS	94,811
INSTITUTION TOTAL	2	202,016	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	2	202,016	
CALIFORNIA			
MOUNTAIN VIEW			
GENESYS RESEARCH, INC.			
1R43 GM40233-01	MITCHELL, ANN D	HIGH RESOLUTION MUTAGENESIS	26,815
INSTITUTION TOTAL	1	26,815	
CITY TOTAL	1	26,815	
OAKLAND			
KAISER FOUNDATION HOSPITALS--KAISER FOUNDATION RESEARCH INSTITUTE			
1R01 CA47727-01	VALANIS, BARBARA G	HEALTH AND OCCUPATIONAL EXPOSURE TO ANTI-CANCER DRUGS	141,023
INSTITUTION TOTAL	1	141,023	
CITY TOTAL	1	141,023	
PALO ALTO			
ADELPHI TECHNOLOGY			
1R43 HL40776-01	PIESTRUP, MELVIN A	METAL-OXIDE CHARACTERISTIC-LINE X-RAY IMAGING SOURCE	39,239
INSTITUTION TOTAL	1	39,239	
LINUS PAULING INSTITUTE OF SCIENCE AND MEDICINE			
1S07 RR05999-01	ZUCKERKANDL, EMILE	BIOMEDICAL RESEARCH SUPPORT GRANT	12,064
INSTITUTION TOTAL	1	12,064	
CITY TOTAL	2	51,303	
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
1R01 EY07752-01	DREYER, WILLIAM J	CELL SURFACE PROTEINS IN THE VISUAL SYSTEM	96,762
1R01 HL40531-01	EPSTEIN, SAMUEL	MECHANISM OF 02 ISOTOPIC FRACTIONATION IN RESPIRATION	54,919
1R29 CA47148-01	MYERS, ANDREW G	MECHANISTIC AND SYNTHETIC STUDIES OF NEOCARZINOSTATIN	65,394
1R01 HD23690-01	STERNBERG, PAUL W	GENETIC CONTROL OF NEMATODE VULVAL DEVELOPMENT	119,666
INSTITUTION TOTAL	4	336,741	
CITY TOTAL	4	336,741	
RIVERSIDE			
CRYSCHEM, INC.			
1R43 GM39629-01	MORRIS, DANIEL W	SYSTEMATIC ANALYSIS OF MACROMOLECULAR CRYSTAL GROWTH	49,000

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
RIVERSIDE			
CRYSCHEM, INC.			
1R43 DK40537-01	MORRIS, DANIEL W	EVALUATION OF DETERGENTS-MACROMOLECULAR CRYSTALLOGRAPHY	49,950
INSTITUTION TOTAL	2	98,950	
UNIVERSITY OF CALIFORNIA AT RIVERSIDE			
1R01 HD21056-01A1	EYMAN, RICHARD K	LIFE EXPECTANCY OF MENTALLY RETARDED PEOPLE	132,356
1R01 AI21251-01A3	SHERMAN, IRWIN W	ERYTHROCYTE-ENDOTHELIAL INTERACTIONS IN MALARIA	54,478
INSTITUTION TOTAL	2	186,834	
CITY TOTAL	4	285,784	
SAN DIEGO			
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM--SAN DIEGO STATE UNIVERSITY			
1R29 CA46818-01	BIGGART, NEAL W	REACTIVE OXYGEN-MEDIATED MUTAGENESIS BY CDC1-2 AND TPA	60,244
1R01 HL40575-01	HOVELL, MELBOURNE F	PREDICTING PHYSICAL ACTIVITY CHANGE	82,806
1R01 GM39518-01	TSOUKAS, CONSTANTINE D	C3D/CR2 RECEPTORS AND THYMOCYTES	67,586
INSTITUTION TOTAL	3	210,636	
SYNTHETIC GENETICS, INC.			
1R43 GM40230-01	TULLIS, RICHARD H	AMPHIPHILIC OLIGONUCLEOTIDE CONJUGATES	38,450
INSTITUTION TOTAL	1	38,450	
CITY TOTAL	4	249,086	
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
1R01 CA46966-01	BENZ, CHRISTOPHER C	INVESTIGATIONS INTO SELECTIVITY AND MONITORING SYSTEMS	105,545
1R01 GM38093-01A1	BRODSKY, FRANCES M	MOLECULAR MECHANISM OF CLATHRIN ASSEMBLY	93,851
1R01 NS25372-01	CHAN, PAK HOO	MECHANISMS OF OXIDATIVE INJURY IN VASOGENIC BRAIN EDEMA	97,939
1R01 EY07504-01	CHAR, DEVRON H	UVEAL MELANOMA CELL BIOLOGY	96,726
1R01 CA47721-01	COFFINO, PHILIP	FUNCTIONAL ANATOMY OF ORNITHINE DECARBOXYLASE	83,400
1R29 HL38105-01A1	DAE, MICHAEL W	NONINVASIVE ASSESSMENT OF CARDIAC ADRENERGIC INNERVATION	49,641
1R01 AI25534-01	DUZGUNES, NEJAT A	KINETICS AND MECHANISMS OF VIRUS-CELL MEMBRANE FUSION	170,138
1R01 DK39578-01	EKBLAD, E MARGARETA	FORMATION, STORAGE, AND RELEASE OF GASTRIC ACID	80,645
1R01 DK38553-01A1	ERICKSON, SANDRA K	REGULATION OF HEPATIC CHOLESTEROL ESTER METABOLISM	125,852
1P01 DE08547-01	ERNSTER, VIRGINIA L	SMOKELESS TOBACCO--ORAL AND OTHER HEALTH EFFECTS	657,373
1R01 HD22518-01A1	FISHER, SUSAN J	MECHANISMS OF TROPHOBLAST INVASION DURING PLACENTATION	88,040
1R01 DK39304-01	FLETTERICK, ROBERT J	STRUCTURAL ANALYSIS OF ENGINEERED TRYPSIN	87,529
1R01 AI24436-01A1	GANEM, DONALD E	MOLECULAR BIOLOGY OF CHLAMYDIAL DEVELOPMENT	82,441

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
1R01 AR37562-01A2	GENANT, HARRY K	ENHANCEMENT OF PEAK BONE MASS IN YOUNG WOMEN	101,372
1R01 NS26092-01	GREGORY, GEORGE A	MECHANISMS OF OXIDATIVE INJURY IN NEURONS & ASTROCYTES	83,056
1R01 DK39619-01	GRUENERT, DIETER C	CYSTIC FIBROSIS--CELL TRANSFORMATION & CHARACTERIZATION	59,917
1R01 HL39875-01	HARRISON, MICHAEL R	TRANSPLANTATION OF STEM CELLS IN UTERO	172,229
1R01 EY07507-01	HESTRIN, SHAUL	TRANSDUCTION IN VERTEBRATE PHOTORECEPTORS	88,702
1R01 GM39247-01	JAMES, THOMAS L	TWO-DIMENSIONAL NMR STUDIES--AT-CONTAINING NUCLEIC ACIDS	93,303
1S10 RR03841-01	JAMES, THOMAS L	CONSOLE FOR IN VIVO MAGNETIC RESONANCE INSTRUMENT	300,000
1R01 CA47551-01	KIM, YOUNG S	MARKERS OF COLLOID & POORLY-DIFFERENTIATED COLON CANCER	123,102
1R01 NS23720-01A1	LANSMAN, JEFFRY B	REGULATION OF NEURONAL EXCITABILITY	80,983
1R01 HL38484-01A1	LANSMAN, JEFFRY B	VASCULAR ION TRANSPORT MECHANISMS	79,507
1R01 HD24495-01	MAIN, ELLIOTT K	HLA REGULATION IN NORMAL & PREECLAMPTIC TROPHOBLASTS	104,395
1R01 GM39565-01	MITCHISON, TIMOTHY J	MICROTUBULE DYNAMICS AND MITOTIC MECHANISM	202,333
1R01 HD23651-01	PEDERSEN, ROGER A	ALLOCATION & DIFFERENTIATION OF TROPHECTODERM LINEAGES	103,430
1R01 CA47288-01	PETRAKIS, NICHOLAS L	ABNORMAL CYTOLOGY AND BREAST CANCER INCIDENCE IN WOMEN	178,646
1S10 RR03837-01	SANTI, DANIEL V	AMINO ACID ANALYZER/HPLC/DNA SYNTHESIZER	147,000
1R01 CA46812-01	SEAMAN, WILLIAM E	TRANSMEMBRANE SIGNALLING IN THE ACTIVATION OF NK CELLS	98,694
1R01 AI23788-01A1	STITES, DANIEL P	T CELL IMMUNITY TO AIDS VIRUS	95,651
1R01 GM38499-01	VALE, RONALD D	MICROTUBULE-BASED ORGANELLE TRANSPORT	119,199
1R01 DK39354-01	VERKMAN, ALAN S	DEVELOPMENT OF CHLORIDE-SENSITIVE FLUORESCENT INDICATORS	110,500
1R01 HL40445-01	WATSON, JOHN A	STEROL DEPENDENT REGULATION OF MEVALONATE SYNTHESIS	74,783
1R01 GM39553-01	WEISS, ARTHUR	T CELL ANTIGEN RECEPTOR IN SIGNAL TRANSDUCTION	87,381
1R01 HD23539-01	WERB, ZENA	METALLOPROTEINASES IN PERI-IMPLANTATION DEVELOPMENT	141,495
INSTITUTION TOTAL	35	4,464,798	
UNIVERSITY OF THE PACIFIC			
1R01 AR37499-01A2	HIGHSMITH, STEFAN	DYNAMICS AND ELASTICITY OF MYOSINS	72,997
INSTITUTION TOTAL	1	72,997	
CITY TOTAL	36	4,537,795	
SAN JOSE			
INSTITUTE FOR MEDICAL RESEARCH OF SANTA CLARA COUNTY			
1R01 AG07348-01	LANGSTON, J WILLIAM	MPTP AND AGING--MOLECULAR/MORPHOLOGICAL CORRELATES	121,663
INSTITUTION TOTAL	1	121,663	
CITY TOTAL	1	121,663	
SANTA BARBARA			
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
1R29 GM38130-01A1	BUTLER, ALISON	INVESTIGATIONS OF THE BIOCHEMISTRY OF VANADIUM	54,824

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
SANTA BARBARA			
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
1R29 EY07191-01	MATSUMOTO, BRIAN	GLUTAMATE STIMULATED MEMBRANE TURNOVER IN RODS	63,650
1R03 EY07668-01	NEITZ, JAY	MODEL FOR HUMAN PHOTOPIGMENTS COLOR VISION	25,000
1R01 NS26168-01	PARSONS, STANLEY M	BRAIN ACETKYLCHOLINE STORAGE SYSTEM	83,553
INSTITUTION TOTAL 4		227,027	
CITY TOTAL 4		227,027	
STANFORD			
STANFORD UNIVERSITY			
1R01 HL38874-01A1	DEBUSK, ROBERT F	MODIFICATION OF CORONARY RISK FACTORS SOON AFTER MI	532,369
1R01 AI26195-01	FALKOW, STANLEY	GENETIC AND MOLECULAR BASIS OF BACTERIAL INVASION	161,748
1R01 GM39697-01	FULLER, ROBERT STUART	PROTEOLYTIC PROCESSING OF PRECURSORS OF SECRETED PEPTIDE	80,622
1R29 AG07651-01	GARBER, ALAN M MD	HEALTH ECONOMICS OF AGING	57,319
1P01 CA44665-01A1	HAHN, GEORGE M	HYPERTHERMIA--HETEROGENEITY OF TISSUE RESPONSES	861,263
1R01 CA47609-01	KRENSKY, ALAN M	CELLULAR AND MOLECULAR STUDIES OF HLA RECOGNITION	60,211
1R01 HL38067-01A1	MANSOUR, TAG E	PHOSPHOFRUCTOKINASE IN MYOGENIC CELLS & HORMONE ACTION	80,979
1R01 HL40360-01	MANSOUR, TAG E	ADRENERGIC CONTROL OF HEART & MUSCLE PHOSPHOFRUCTOKINASE	69,520
1R01 AR38941-01	MARCUS, ROBERT	EXCERISE INTENSITY & BONE MASS IN YOUNG WOMEN	126,346
1R01 AR38658-01A1	MORHENN, VERA B	CHARACTERIZATION & CULTURE OF HUMAN LANGERHANS CELLS	54,286
1R01 LM04864-01	SHORTLIFFE, EDWARD H	PHYSICIAN-COMPUTER INTERACTION USING GRAPHICS AND SPEECH	141,335
1R01 AR39320-01	STOCKDALE, FRANK E	AVIAN MYOGENIC CELL COMMITMENT	128,844
1S10 RR04205-01	WENDER, PAUL A	PURCHASE OF AN NMR SPECTROMETER AND UPGRADE	256,000
INSTITUTION TOTAL 13		2,610,842	
CITY TOTAL 13		2,610,842	
STATE TOTAL 171		17,972,654	
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO AT BOULDER			
1R01 GM39358-01	DE PUY, CHARLES H	GAS PHASE REACTIONS OF PHOSPHORUS ESTERS WITH ANIONS	71,100
1R29 GM39417-01	LANDIS, CLARK R	UNDERSTANDING AND DEVELOPING ASYMMETRIC CATALYSIS	71,118
1R24 RR03744-01	MCDONALD, KENT L	HVEM AND IMAGE ANALYSIS OF FROZEN-HYDRATED SPECIMENS	71,969
INSTITUTION TOTAL 3		214,187	
CITY TOTAL 3		214,187	
DENVER			
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER			
1R29 HD22831-01A1	ALDERMAN, BETH W	EPIDEMIOLOGIC STUDY OF CRANIOSYNOSTOSIS OCCURRENCE	57,416

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER			
1R01 HD23826-01	DRABKIN, HARRY A	CHARACTERIZATION OF THE CHROMOSOME 3P14-21 REGION	98,408
1R01 CA46938-01	EDWARDS, DEAN P	PROGESTERONE RECEPTOR INTERACTION	90,168
1R01 NS23918-01A2	FREED, CURT R	BRAIN TRANSPLANT TREATMENT FOR PARKINSONIANS	96,855
1P01 AG07347-01	GILDEN, DONALD H	CHRONIC NEUROLOGIC DISEASE PRODUCTION--NEUROTROPIC VIRUS	465,310
1R01 DK38687-01A1	GOODMAN, STEPHEN I	INBORN ERRORS OF REDOX PROTEINS--GLUTARIC ACIDEMIA II	125,045
1R01 HD23855-01	HAMBRIDGE, K MICHAEL	ZINK ABSORPTION IN PREGNANT AND LACTATING WOMEN	87,871
1R01 AI25670-01	LA ROSA, FRANCISCO G	ROLE OF MHC ANTIGEN INDUCTION IN GRAFT REJECTION	61,124
1R01 NS25382-01	PARKER, WILLIAM D, JR	NEUROLOGIC DISEASE AND THE ELECTRON TRANSPORT CHAIN	72,334
1R01 NS26520-01	PARKER, WILLIAM D, JR	BIOENERGETICS AND NEUROTRANSMITTER SYNTHESIS	34,900
1R01 CA47369-01	PIERCE, G BARRY	EMBRYONIC INDUCTION IN DIFFERENTIATION THERAPY	103,419
1R29 DK38516-01A1	SHANLEY, PAUL F	TWO TYPES OF HYPOXIC INJURY IN THE KIDNEY	58,529
INSTITUTION TOTAL 12		1,351,379	
UNIVERSITY OF DENVER			
1R03 RR03818-01	EATON, GARETH R	NEW MICROWAVE COUPLING STRUCTURES FOR SPECTROSCOPY	25,000
INSTITUTION TOTAL 1		25,000	
CITY TOTAL 13		1,376,379	
FORT COLLINS			
COLORADO STATE UNIVERSITY			
1R29 CA46371-01	GASPER, PETER W	MARROW TRANSPLANT THERAPY FOR RETROVIRUS INFECTIONS	64,575
1R01 GM39901-01	PAULE, MARVIN R	RIBOSOMAL RNA TRANSCRIPTION FACTOR FUNCTIONAL ANALYSIS	97,392
INSTITUTION TOTAL 2		161,967	
CITY TOTAL 2		161,967	
LAKEWOOD			
AMC CANCER RESEARCH CENTER			
1R29 CA47844-01	GIBSON, NEIL W	MECHANISM OF ACTION OF SULFONATE ESTER ANTICANCER DRUGS	56,250
INSTITUTION TOTAL 1		56,250	
CITY TOTAL 1		56,250	
STATE TOTAL 19		1,808,783	
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
1R29 GM39092-01	EHRLICH, BARBARA E	FUNCTION AND REGULATION OF PARAMECIA CALCIUM CHANNELS	62,360

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
1R29 AR38636-01A1	GRONOWICZ, GLORIA A	EXTRACELLULAR MATRIX PROTEINS IN CELL AND ORGAN CULTURE	54,034
1R03 DE08204-01A1	LIEBLICH, STUART E	CHRONIC RADIATION INJURY REVERSAL BY AN ANGIOGENIC AGENT	11,962
1R01 CA46801-01	WU, GEORGE Y	TARGETING TO NORMAL HEPATOCYTES	43,674
INSTITUTION TOTAL	4	172,030	
CITY TOTAL	4	172,030	
NEW HAVEN			
YALE UNIVERSITY			
1R01 NS26084-01	ARTAVANIS-TSAKONAS, SPYRIDON	CELL BIOLOGY OF PROTEIN	116,018
1S10 RR03822-01	CROTHERS, DONALD M	MICRO SUPERCOMPUTER	200,000
1R29 CA44542-01A1	HALABAN, RUTH	PROLIFERATION & MALIGNANT TRANSFORMATION OF MELANOCYTES	53,537
1R01 CA47629-01	IZANT, JONATHAN G	ENHANCEMENT AND MODULATION OF ANTI-SENSE RNA ACTIVITY	59,716
1R24 RR04047-01	JACOBY, ROBERT O	PARVOVIRUS INFECTION	93,685
1R29 CA47292-01	KACINSKI, BARRY M	FMS-RELATED GENES IN OVARIAN AND ENDOMETRIAL NEOPLASIA	54,770
1P01 GM39813-01	KANKEL, DOUGLAS R	NERVOUS SYSTEM DEVELOPMENT--GENETIC/MOLECULAR STUDIES	510,484
1R29 NS25937-01	KENNA, MARGARET ALENE	PATHOGENESIS OF CHRONIC SUPPURATIVE OTITIS MEDIA	57,840
1R01 GM38779-01A1	LE MASTER, DAVID M	PROTEIN DYNAMICS OF E. COLI AND T4 THIOREDOXINS BY NMR	52,440
1R29 NS26143-01	MC CORMICK, DAVID A	ACH/NE MODULATION OF CORTICAL AND THALAMIC NEURONS	81,632
1R01 GM38588-01A1	MEYN, M S	MOLECULAR STUDIES OF HUMAN GENETIC RECOMBINATION	103,380
1R01 GM40154-01	NORTHUP, JOHN K	STRUCTURE AND FUNCTIONS OF G-PROTEIN BETA-GAMMA SUBUNITS	183,347
1R01 CA46605-01	SCHULZ, ROBERT J	IMAGING OF THREE-DIMENSIONAL DOSE DISTRIBUTIONS NMR	110,178
1R01 CA46828-01	SCHWARTZ, PETER E	URINARY HCG FREE B-SUBUNIT/FRAGMENT--GYNECOLOGIC CANCER	83,479
1R29 HL40305-01	SUMPIO, BAUER E	EFFECT OF MECHANICAL STRESS ON VASCULAR CELLS IN CULTURE	66,291
1R01 AI26109-01	TATTERSALL, PETER J	MOLECULAR GENETICS OF PARVOVIRAL DNA REPLICATION	103,550
1R01 CA41729-01A1	TAYLOR, KENNETH J W	DETECTION OF TUMOR SIGNALS BY DOPPLER ULTRASOUND	118,598
1R01 ES04297-01A1	WHITTEN, PATRICIA L	EFFECTS OF DIETARY PLANT ESTROGENS ON REPRODUCTION	84,721
1S10 RR04221-01	WILLIAMS, KENNETH R	AUTOMATED PROTEIN AND DNA SEQUENCING SYSTEMS	252,000
1R01 NS25575-01	WYMAN, ROBERT J	TRANSPLANTATION OF MYOBLASTS	40,615
INSTITUTION TOTAL	20	2,426,281	
CITY TOTAL	20	2,426,281	
STATE TOTAL	24	2,598,311	
DIST OF COL			
WASHINGTON			
AMERICAN NATIONAL RED CROSS			
1R37 HL39438-01	JAMIESON, GRAHAM A	CHARACTERIZATION & ISOLATION OF PLATELET ADP RECEPTORS	102,668
INSTITUTION TOTAL	1	102,668	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
DIST OF COL			
WASHINGTON			
AMERICAN REGISTRY OF PATHOLOGY, INC.			
1R01 GM40155-01	O'LEARY, TIMOTHY J	EFFECTS OF ANESTHETICS ON MEMBRANE HYDRATION AND FUSION	66,328
INSTITUTION TOTAL	1	66,328	
GEORGETOWN UNIVERSITY			
1R01 HD23744-01	BYERS, STEPHEN W	IMMUNOLOGICAL STUDIES OF THE MALE REPRODUCTIVE SYSTEM	85,939
1R29 AI26148-01	HOISETH, SUSAN K	GENETIC ANALYSIS OF H. INFLUENZAE CAPSULE EXPRESSION	61,138
1R29 CA46641-01	KASID, USHA N	RAF ONCOGENE ANALYSIS AND RADIATION RESISTANT TUMOR CELL	54,853
1R21 EY07744-01	LEMP, MICHAEL A	DAVID M. WORTHEN CENTER FOR CLINICAL STUDIES	60,000
1R29 GM39718-01	SPIEGEL, SARAH	GANGLIOSIDES AS MODULATORS OF CELL GROWTH	53,838
1R29 HD23484-01	SUAREZ-QUIAN, CARLOS A	CHARACTERIZATION OF SERTOLI CELL ENDOCYTIC ORGANELLES	54,638
1R01 CA45800-01A1	VOGEL, CARL-WILHELM	NOVEL IMMUNOCONJUGATE APPROACHES	110,546
INSTITUTION TOTAL	7	480,952	
GERONTOLOGICAL SOCIETY OF AMERICA			
1R13 AG07548-01	COE, RODNEY M	INTERNATIONAL CONGRESS OF GERONTOLOGY--1989	10,035
INSTITUTION TOTAL	1	10,035	
HOWARD UNIVERSITY			
1R13 DK39862-01	CALLENDER, CLIVE O	INTERNATIONAL SYMPOSIUM ON RENAL DISEASE IN BLACKS	10,000
INSTITUTION TOTAL	1	10,000	
URBAN INSTITUTE			
1R01 AG07177-01	LIU, KORBIN	PRIVATE EXPENSES FOR LONG-TERM CARE	87,393
INSTITUTION TOTAL	1	87,393	
CITY TOTAL	12	757,376	
STATE TOTAL	12	757,376	
FLORIDA			
ALACHUA			
PHARMATEC, INC.			
1R43 NS25842-01	VENKATRAGHAVAN, VASUDEVAN	DESIGN & SYNTHESIS OF BRAIN-SPECIFIC ANTIHERPETIC AGENTS	29,228
INSTITUTION TOTAL	1	29,228	
CITY TOTAL	1	29,228	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
FLORIDA			
BOCA RATON			
STATE UNIVERSITY SYSTEM OF FLORIDA--FLORIDA ATLANTIC UNIVERSITY			
1R29 NS24771-01A1	TULLER, BETTY H	SPEECH AS A SELF-ORGANIZED COOPERATIVE PROCESS	91,954
INSTITUTION TOTAL	1	91,954	
CITY TOTAL	1	91,954	
CORAL GABLES			
UNIVERSITY OF MIAMI			
1R01 NS24874-01A1	MC CABE, PHILIP M	CNS MEDIATION OF CONDITIONED BRADYCARDIA	58,308
INSTITUTION TOTAL	1	58,308	
CITY TOTAL	1	58,308	
GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA			
1S10 RR04184-01	BUSS, DARYL D	ZEISS IBAS 2000 IMAGE ANALYSIS SYSTEM	299,000
1R01 AG07470-01	CHAU, VINCENT	ABERRANT UBIQUITINYLATION IN AGED AND ALZHEIMER BRAIN	104,466
1R29 DK39135-01A1	FROST, SUSAN C	INSULIN ACTION IN DIFFERENTIATING 3T3-L1 ADIPOCYTES	84,264
1R01 GM38278-01A1	GURLEY, WILLIAM B	CIS & TRANS-ACTING COMPONENTS OF T-DNA PROMOTER FUNCTION	77,180
1R01 AI25904-01	JOHNSON, HOWARD M	STAPHYLOCOCCAL ENTEROTOXINS--POTENT INDUCERS OF BRMS	104,537
1R01 GM34479-01A3	SHAH, DINESH O	BIOAVAILABILITY OF LIDOCAINE FROM MICROEMULSIONS	84,139
1R03 DE08529-01	SODERHOLM, KARL-JOHAN M	WEAR DETERMINATION BY USE OF SHADOW-MOIRE	14,990
1R01 AR39378-01	STAINSBY, WENDELL N	ROLE OF 02 TRANSPORT IN DETERMINING V02 MAX OF MUSCLE	108,514
1R01 NS26635-01	VALENSTEIN, EDWARD	RETROSPLENIAL AMNESIA	44,766
INSTITUTION TOTAL	9	921,856	
CITY TOTAL	9	921,856	
MIAMI			
STATE UNIVERSITY SYSTEM OF FLORIDA--FLORIDA INTERNATIONAL UNIVERSITY			
1S07 RR07240-01	TRACEY, MARTIN L, JR	BIOMEDICAL RESEARCH SUPPORT GRANT	14,059
INSTITUTION TOTAL	1	14,059	
UNIVERSITY OF MIAMI			
1P40 RR04326-01	ALTMAN, NORMAN H	ANIMAL DISEASE DIAGNOSTIC & INVESTIGATIVE LABORATORY	145,472
1P01 NS25569-01	BERGER, JOSEPH R	NEUROLOGIC COMPLICATIONS OF HIV	640,789
1R01 DK37901-01A1	BOURGOIGNIE, JACQUES J	ENDOTOXEMIC ACUTE RENAL FAILURE--ROLE OF ENDOTHELIUM	91,627
1R29 NS24853-01A1	GREGORIOS, JOCELYN B	METHOTREXATE EFFECTS ON ASTROCYTES	66,941
1R01 NS25660-01	ROTUNDO, RICHARD L	TRANSPORT AND SORTING OF NEURONAL MEMBRANE PROTEINS	69,872

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
FLORIDA			
MIAMI			
UNIVERSITY OF MIAMI			
1R01 HL39831-01	VAN BREEMEN, CORNELIUS	CA2 & EXCITATION-CONTRACTION COUPLING IN ENDOTHELIUM	85,607
INSTITUTION TOTAL	6	1,100,308	
CITY TOTAL	7	1,114,367	
TALLAHASSEE			
STATE UNIVERSITY SYSTEM OF FLORIDA--FLORIDA STATE UNIVERSITY			
1R01 NS25988-01	MEREDITH, MICHAEL	FUNCTIONAL ORGANIZATION OF THE NERVUS TERMINALIS	41,408
INSTITUTION TOTAL	1	41,408	
CITY TOTAL	1	41,408	
TAMPA			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF SOUTH FLORIDA			
1R01 CA46820-01	DJEU, JULIE Y	MECHANISM OF ACTIVITY OF LAK CELLS AGAINST MACROPHAGES	110,058
1R01 EY07361-01	KELLER, RONALD K	ISOPRENOID BIOSYNTHESIS IN THE RETINA	47,360
1S07 RR06005-01	LEVIN, PETER J	BIOMEDICAL RESEARCH SUPPORT GRANT	11,611
INSTITUTION TOTAL	3	169,029	
CITY TOTAL	3	169,029	
STATE TOTAL	23	2,426,150	
GEORGIA			
ATHENS			
ATHENS RESEARCH AND TECHNOLOGY, INC.			
1R43 HL40770-01	LLOYD, CYNTHIA A	RAPID ASSAY FOR HUMAN A1-PROTEINASE INHIBITOR DEFICIENCY	30,735
INSTITUTION TOTAL	1	30,735	
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
1R01 NS26109-01	MILLER, LOIS K	CLONING AND EXPRESSION OF A NEUROTOXIN GENE	48,089
1R01 GM40067-01	MORTENSON, LEONARD E	ENERGY TRANSDUCTION--ROLE OF ATP IN NITROGEN FIXATION	134,553
INSTITUTION TOTAL	2	182,642	
CITY TOTAL	3	213,377	
ATLANTA			
ATLANTA UNIVERSITY			
1S06 RR08247-01	BROWNE, JOHN M	BIOMEDICAL SCIENCES RESEARCH AT ATLANTA UNIVERSITY	627,301

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	627,301	
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
1R01 AI25566-01	ANSARI, AFTAB A	EXPRESSION & FUNCTION OF HLA ANTIGEN ON CARDIAC MYOCYTES	118,049
1R01 DK39777-01	BERNSTEIN, KENNETH E	ANGIOTENSIN-CONVERTING ENZYME AND GLOMERULAR PRESSURE	125,880
1R29 DK38676-01A1	LIVE, DAVID H	CONFORMATION OF MITOGENIC PEPTIDE GROWTH FACTORS	56,776
1R01 GM39917-01	MORAN, CHARLES P, JR	ROLE OF THE SIGMA SUBUNIT IN BACTERIAL RNA POLYMERASE	95,249
1R03 DE08289-01	OFFENBACHER, STEVEN	EVALUATION OF TERATOGENIC POTENTIAL OF ORAL ENDOTOXINS	15,000
1R01 AI24870-01	SCOTT, JUNE R	REGULATION OF EXPRESSION OF ADHERENCE FACTORS	121,380
1R01 EY07388-01	WARING, GEORGE O, III	CORNEAL WOUND HEALING AFTER PHOTOREFRACTIVE KERATECTOMY	168,316
1R01 AG06383-01A2	WOOD, JOHN G	ALZHEIMER & AGING BRAIN CYTOSKELETAL PHOSPHORYLATION	70,047
INSTITUTION TOTAL	8	770,697	
MOREHOUSE SCHOOL OF MEDICINE			
1R01 AI23523-01A1	BAILEY, GORDON B	ENTAMOEBA HISTOLYTICA-TARGET CELL INTERACTIONS	70,993
INSTITUTION TOTAL	1	70,993	
UNIVERSITY SYSTEM OF GEORGIA--GEORGIA INSTITUTE OF TECHNOLOGY			
1R03 RR04311-01	BENKESER, PAUL J	PHASED ARRAY TRANSDUCER FOR ULTRASONIC HYPERTHERMIA	23,225
1R29 GM39779-01	HUANG, TAI-HUANG	STRUCTURE,DYNAMICS & FUNCTION OF DIHYDROFOLATE REDUCTASE	59,916
1R01 GM40339-01	POLITZ, SAMUEL M	GENETIC SPECIFICATION OF NEMATODE SURFACE ANTIGENS	80,875
INSTITUTION TOTAL	3	164,016	
CITY TOTAL	13	1,633,007	
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
1R13 HL41343-01	CATRAVAS, JOHN D	VASCULAR ENDOTHELIUM--RECEPTORS/TRANSDUCTION	15,000
1R01 NS24834-01A1	GULATI, ADARSH K	IMMUNOGENICITY OF NERVE ALLOGRAFTS AND NERVE REPAIR	49,213
1R01 HL40488-01	HOFMAN, WENDELL F	SEROTONIN AND EICOSANOID INTERACTION IN LUNG VASOMOTION	81,484
INSTITUTION TOTAL	3	145,697	
CITY TOTAL	3	145,697	
STATE TOTAL	19	1,992,081	
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
1R01 NS24654-01A1	BITTERMAN, M E	COMPARATIVE STUDIES OF LEARNING	46,406

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
1R01 ES04622-01	DOERGE, DANIEL R	CHEMICAL AND ENZYMIC MECHANISM OF THIOCARBAMIDE TOXICITY	54,342
INSTITUTION TOTAL	2	100,748	
CITY TOTAL	2	100,748	
STATE TOTAL	2	100,748	
IDAHO			
MOSCOW			
UNIVERSITY OF IDAHO			
1R29 AI25557-01	FRIESEN, PAUL D	CHARACTERIZATION OF BACULOVIRUS EARLY GENE EXPRESSION	54,749
INSTITUTION TOTAL	1	54,749	
CITY TOTAL	1	54,749	
STATE TOTAL	1	54,749	
ILLINOIS			
CARBONDALE			
SOUTHERN ILLINOIS UNIVERSITY SYSTEM--SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE			
1R24 RR03372-01A1	WOOLF, ALAN	FACTORS INFLUENCING CAPTIVE WOODCHUCK BREEDING SUCCESS	50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	1	50,000	
CHAMPAIGN			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
1R37 HL40030-01	CONRAD, H EDWARD	METABOLISM OF HEPARAN SULFATE	139,234
1R01 NS26009-01	COULTER, GEOFFREY R	PHRASE-LEVEL PROSODY IN AMERICAN SIGN LANGUAGE	46,481
1R01 NS24986-01A1	DONCHIN, EMANUEL	EVENT-RELATED BRAIN POTENTIALS AND MEMORY	75,385
1R01 CA45689-01A1	DUNN, FLOYD	ULTRASONIC ABSORPTION BY BIOLOGICAL MEDIA	81,597
1R01 GM39360-01	KEMPER, BYRON W	REGULATION OF CYTOCHROME P-450 BIOSYNTHESIS	71,376
1S10 RR03844-01	LAUTERBUR, PAUL C	NMR DATA SYSTEM AND WORK STATION	128,000
1R01 GM39096-01	MALOY, STANLEY R	STRUCTURE AND FUNCTION OF PROLINE PERMEASE	60,819
1R03 RR03205-01A1	NIEMAN, TIMOTHY A	ELECTROGENERATED CHEMILUMINESCENCE SENSOR ASSEMBLIES	25,000
1R29 GM39969-01	ROYER, CATHERINE A	SUBUNIT INTERACTIONS IN DNA BINDING PROTEINS	80,699
1R01 HL38726-01A1	WALDROP, TONY G	CONTROL OF THE RESPIRATORY SYSTEM BY THE HYPOTHALAMUS	67,138
1R01 EY07202-01	WHITELEY, HERBERT E	CELL-CELL INTERACTIONS IN DYSPLASTIC RETINAL MORPHOGEN	71,787
1R01 GM39782-01	ZIMMERMAN, STEVEN C	NEW MODELS OF ENZYMES USING GENERAL BASE CATALYSIS	71,020
INSTITUTION TOTAL	12	918,536	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	12	918,536	
ILLINOIS			
CHARLESTON			
EASTERN ILLINOIS UNIVERSITY			
1R01 GM39583-01	CARLSON, RUSSELL W	STRUCTURAL DETERMINATION OF THE LPS FROM RHIZOBIUM	73,494
INSTITUTION TOTAL	1	73,494	
CITY TOTAL	1	73,494	
CHICAGO			
AMERICAN DENTAL ASSOCIATION HEALTH FOUNDATION			
1R03 DE08610-01	VOGEL, GERALD L	ANALYSIS OF CALCIUM IN PLAQUE FLUID	15,000
INSTITUTION TOTAL	1	15,000	
ILLINOIS INSTITUTE OF TECHNOLOGY			
1R01 GM39960-01	TROYK, PHILIP R	POLYMERIC PROTECTION OF IMPLANTABLE MICRO-ELECTRONICS	94,790
INSTITUTION TOTAL	1	94,790	
MICHAEL REESE HOSPITAL AND MEDICAL CENTER			
1R01 NS25811-01	HIER, DANIEL B	EXPERT SYSTEM FOR STROKE	52,290
INSTITUTION TOTAL	1	52,290	
NORTHWESTERN UNIVERSITY			
1R29 HL38909-01A1	BARRINGTON, PEGGY L	CALCIUM AND FREE RADICAL INJURY IN CARDIOCYTES	76,898
1R01 CA46595-01	BLENIS, JOHN	ONCOGENIC REGULATION OF S6 PROTEIN KINASE & CELL GROWTH	64,776
1R01 GM39264-01	CHISHOLM, REX L	MOLECULAR GENETIC ANALYSIS OF MOTILITY--MYOSIN CHAINS	99,181
1R01 CA46565-01	LAU, LESTER F	GROWTH-RELATED GENES REGULATED WITH C-FOS	115,987
1R01 HL38256-01A1	MC DONALD, ARLINE M	LCT, LCT CHANGE, OTHER TRAITS, AND BP IN CARDIA & TOMHS	74,616
1R01 HL39926-01	POLVERINI, PETER J	REGULATION OF MACROPHAGE ANGIOGENIC ACTIVITY	69,318
INSTITUTION TOTAL	6	500,776	
REHABILITATION INSTITUTE OF CHICAGO			
1S07 RR06003-01	WU, YEONGCHI	BIOMEDICAL RESEARCH SUPPORT GRANT	20,861
INSTITUTION TOTAL	1	20,861	
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
1R01 AR39421-01	ANDRIACCHI, THOMAS P	ANTERIOR CRUCIATE LIGAMENT-FUNCTIONAL BIOMECHANICS	73,811

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS			
CHICAGO			
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER			
1R29 AI26173-01	FINNEGAN, ALISON	T CELL RECOGNITION OF ANTIGEN	68,900
1R01 GM39595-01	PLATE, JANET	CHARACTERIZATION OF INTERLEUKIN-1 RECEPTORS	70,179
INSTITUTION TOTAL 3		212,890	
UNIVERSITY OF CHICAGO			
1R01 CA46607-01	ALBERT, DANIEL A	CYCLIC AMP RESISTANCE IN HYDROXYUREA RESISTANT CELLS	76,676
1P01 NS24575-01A1	ARNASON, BARRY G W	MULTIPLE SCLEROSIS: A PROGRAM PROJECT	593,996
1R01 NS25728-01	ART, JONATHAN J	CELLULAR BASIS OF TUNING IN THE COCHLEA	117,102
1R29 DK40221-01	CUTTLER, LEONA	PERINATAL MATURATION OF PITUITARY GROWTH HORMONE RELEASE	33,875
1R29 NS26189-01	FOX, AARON P	HIPPOCAMPAL CALCIUM CHANNELS--PHARMACOLOGY AND FUNCTION	57,069
1R01 GM39550-01	GARAVITO, R MICHAEL	STRUCTURE OF BACTERIAL MEMBRANE PROTEINS	97,300
1R01 NS25735-01	GURNEY, MARK E	IN VIVO EFFECTS OF NEUROLEUKIN AND ITS ANTAGONISTS	100,775
1R01 HD24498-01	LINDHEIMER, MARSHALL D	ATRIAL PEPTIDES IN NORMAL AND HYPERTENSIVE PREGNANCY	71,895
1R01 NS25677-01	MARGOLIASH, DANIEL	NEURAL CODING OF ACOUSTIC PARAMETERS OF AUTOGENOUS SONG	102,790
1R01 NS25867-01	SIGLER, PAUL B	PHOSPHOLIPASIC NEUROTOXINS--STRUCTURE AND FUNCTION	124,756
1R29 DK40092-01	THISTLETHWAITE, JAMES R, JR	EX VIVO IMMUNOALTERATION OF PANCREAS ORGAN TRANSPLANTS	57,911
INSTITUTION TOTAL 11		1,434,145	
UNIVERSITY OF ILLINOIS AT CHICAGO			
1R29 GM39471-01	BENIGHT, ALBERT S	DENATURATION STUDIES OF SELF-COMPLEMENTARY DNA LOOPS	79,710
1R01 NS25617-01	DAVIS, BRIAN M	REGENERATION OF SALAMANDER SPINAL CORD	54,421
1R01 CA46129-01	GUENTHNER, THOMAS M	XENOBIOTIC-METABOLIZING ENZYMES IN HUMAN LUNG	80,148
1R29 AR39700-01	HUDSON, RANDALL L	MECHANISM OF CALCIUM MINERALIZATION	79,888
INSTITUTION TOTAL 4		294,167	
CITY TOTAL 28		2,624,919	
EVANSTON			
NORTHWESTERN UNIVERSITY			
1R01 HD23771-01	GOLDBERG, ERWIN	IMMUNOSUPPRESSION OF FERTILITY BY HUMAN LDH-C4	177,735
1R01 GM38244-01A1	MACDONALD, ROBERT C	MEMBRANE SURFACE PRESSURE--MEASUREMENT AND SIGNIFICANCE	151,595
INSTITUTION TOTAL 2		329,330	
CITY TOTAL 2		329,330	
MAYWOOD			
LOYOLA UNIVERSITY MEDICAL CENTER			
1R01 NS24226-01A1	DUN, NAE J	TRANSMISSION MODES & THEIR MEDIATORS IN MOTONEURONS	75,571
INSTITUTION TOTAL 1		75,571	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	75,571	
ILLINOIS			
NORMAL			
ILLINOIS STATE UNIVERSITY			
1S07 RR07239-01	DAVIS, WILLIAM F	BIOMEDICAL RESEARCH SUPPORT GRANT	11,193
INSTITUTION TOTAL	1	11,193	
CITY TOTAL	1	11,193	
NORTH CHICAGO			
UNIVERSITY OF HEALTH SCIENCES/CHICAGO MEDICAL SCHOOL			
1R03 DE08149-01A1	HATCHER, JOSEPH W	USING TELEVISION TO PROMOTE CHILD TOOTHBRUSHING	14,755
INSTITUTION TOTAL	1	14,755	
CITY TOTAL	1	14,755	
URBANA			
UNIVERSITY PARK PATHOLOGY ASSOCIATES, P.C.			
1R43 AI25985-01	IMREY, HARRIET H	RISK APPRAISAL FOR AIDS AND HIV INFECTION	25,572
INSTITUTION TOTAL	1	25,572	
CITY TOTAL	1	25,572	
STATE TOTAL	48	4,123,370	
INDIANA			
BLOOMINGTON			
INDIANA UNIVERSITY AT BLOOMINGTON			
1R03 EY07638-01	BRADLEY, ARTHUR	PERCEPTUAL ALIASING IN HUMAN AMBLYOPIA	24,981
1R01 GM39083-01	CHRISTOU, GEORGE	MODELS OF THE PHOTOSYNTHETIC WATER OXIDATION ENZYME	91,615
1R01 GM39988-01	CRANDALL, JACK K	ALLENES IN THE SYNTHESIS OF BIOACTIVE MOLECULES	92,631
1R29 NS25375-01	GIERUT, JUDITH A	LEARNABILITY OF SOUND SYSTEMS	64,577
1R01 GM39044-01	RICHMOND, ROLLIN C	MOLECULAR EVOLUTION OF B-ESTERASES IN DROSOPHILA	139,204
INSTITUTION TOTAL	5	413,008	
CITY TOTAL	5	413,008	
INDIANAPOLIS			
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS			
1R01 AG07631-01	BRATER, DONALD C	CLINICAL PHARMACOLOGY OF NSAIDS IN THE ELDERLY	188,425

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NIH
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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INDIANA			
INDIANAPOLIS			
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS			
1R01 NR01843-01	CHAMPION, VICTORIA L	INTERVENTIONS FOR BREAST SELF-EXAMINATION IN OLDER WOMEN	69,154
1R01 DK39655-01	DOMINGUEZ, JESUS H	NA/CA2 EXCHANGE AND CAI IN THE PROXIMAL TUBULE	79,485
1R01 AI25656-01	ENGLISH, DENIS	NEUTROPHIL CA++ INFLUX AND PHOSPHOINOSITIDE HYDROLYSIS	66,470
1R29 DK39546-01	HALL, STEPHEN D	FACTORS AFFECTING THE RENAL EXCRETION OF DRUGS	67,078
1R01 NS25661-01	KUBEK, MICHAEL J	SIGNIFICANCE OF TRH IN EPILEPSY	88,308
1R01 GM38436-01A1	ROUSH, WILLIAM R	CHIRAL CROTYLBORONATIES--METHODOLOGY AND SYNTHESIS	106,184
1R29 NS26063-01	SIVAM, SUBBIAH P	DOPAMINE & ENKEPHALIN/TACHYKININ IN BASAL GANGLION	66,963
INSTITUTION TOTAL	8	732,067	
CITY TOTAL	8	732,067	
WEST LAFAYETTE			
ASH MEDICAL SYSTEMS, INC.			
1R43 DK40268-01	ASH, STEPHEN R	BIOLOGIC-PD--A NIGHTTIME PERITONEAL CYCLER	38,342
1R43 DK40265-01	BLAKE, DONALD E	UREA MONITORING DURING DIALYSIS WITH THE BIOLOGIC-HD	32,416
INSTITUTION TOTAL	2	70,758	
PURDUE UNIVERSITY WEST LAFAYETTE			
1R01 AI24289-01A2	BYRN, STEPHEN R	ANTI-HIV AIDS AGENTS TARGETED TO THE RNA TEMPLATE	71,232
1R01 CA47476-01	CUSHMAN, MARK S	PROTEIN-TYROSINE KINASE INHIBITORS AS ANTICANCER AGENTS	88,588
1R01 CA46882-01	KIM, KI-HAN	TUMOR NECROSIS FACTOR & FATTY ACID SYNTHESIS	76,862
1R01 NS25284-01A1	MITRA, ASHIM K	BLOOD-BRAIN BARRIER TRANSPORT OF THYMIDINE ANALOGS	79,605
1R01 GM37531-01A1	SCHWAB, JOHN M	SUICIDE SUBSTRATES IN SECONDARY METABOLISM	59,007
INSTITUTION TOTAL	5	375,294	
CITY TOTAL	7	446,052	
STATE TOTAL	20	1,591,127	
IOWA			
AMES			
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY			
1R01 GM40036-01	LAROCK, RICHARD C	PALLADIUM-CATALYZED ALKYLATION OF CYCLOALKENES	69,455
1R29 GM39254-01	MYERS, ALAN M	FUNCTION OF THE EVOLUTIONARILY CONSERVED RHO GENE FAMILY	65,924
1R01 GM39051-01	PETERSON, PETER A	ISOLATION OF AN ACTIVE UBIGUITOUS UQ MOBILE ELEMENT	20,484
INSTITUTION TOTAL	3	155,863	
CITY TOTAL	3	155,863	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
1R29 HL40428-01	CHAPLEAU, MARK W	INFLUENCE OF PULSATILE PRESSURE ON THE BAROREFLEX	68,403
1R13 DK39985-01	CHRISTENSEN, JAMES	GASTROINTESTINAL MOTILITY DISORDERS	2,000
1R29 CA46612-01	GLOER, JAMES B	ANTIBIOTICS AND ANTITUMOR AGENTS FROM MARINE FUNGI	73,170
1R01 DK37545-01A2	HOLMES, CLARISSA S	COGNITIVE AND ACHIEVEMENT PROFILES IN DIABETES	91,388
1R01 HL37290-01A1	JOYNER, RONALD W	EFFECTS OF ISCHEMIA ON SUBENDOCARDIAL ACTIVATION	95,778
1R01 NS26062-01	KULTAS-ILINSKY, HELI-KRISTY	HELI-KRISTCONNECTIONS OF THE MOTOR THALAMUS	89,622
1R01 GM38060-01A1	LINHARDT, ROBERT J	SEQUENCING THE POLYSACCHARIDE COMPONENT OF PROTEOGLYCANS	71,940
1R01 HL40781-01	MAYHAN, WILLIAM G	MICROVASCULAR PERMEABILITY OF THE CEREBRAL CIRCULATION	41,974
1R29 HL40349-01	MOSELEY, POPE L	MECHANISMS OF BLEOMYCIN LUNG DISEASE	40,560
1R01 AI24344-01A1	RAY, THOMAS L	ROLE OF CANDIDA ACID PROTEINASE IN PATHOGENESIS	121,568
1R29 GM39771-01	WARNER, DAVID S	CEREBRAL ISCHEMIA--MINIMIZING DAMAGE DURING ANESTHESIA	75,649
1R01 HD24494-01	WEINER, CARL P	ROLE OF SEROTONIN IN PREGNANCY RELATED HYPERTENSION	98,972
INSTITUTION TOTAL	12	871,024	
CITY TOTAL	12	871,024	
STATE TOTAL	15	1,026,887	
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS	COLLEGE OF HEALTH SCIENCES AND HOSPITAL		
1R01 AG07153-01A1	BELMONT, JOHN M	PROBLEM SOLVING AND MEMORY IN ELDERLY ADULTS	78,625
1R01 NS25646-01	CHENEY, PAUL D	NEURAL CONTROL OF LIMB MOVEMENT	129,321
1R01 HL39443-01	GONZALEZ, NORBERTO C	ACID-BASE EFFECTS OF EXERCISE IN PROLONGED HYPOXIA	68,977
1R29 GM38078-01A1	MERISKO, ELAINE M	ANNULATE LAMELLAE AND ITS FUNCTIONAL SIGNIFICANCE	71,917
1R01 AR39189-01	NAGASE, HIDEAKI	METALLOPROTEASES IN CONNECTIVE TISSUE MATRIX BREAKDOWN	104,252
1R01 GM37044-01A1	PARKINSON, ANDREW	CATATOXIC STUDIES--MOLECULAR MECHANISM OF ACTION	65,501
INSTITUTION TOTAL	6	518,593	
CITY TOTAL	6	518,593	
LAWRENCE			
UNIVERSITY OF KANSAS	LAWRENCE		
1R01 GM37577-01A1	MERTES, KRISTIN B	BINUCLEATING TETRAPYRROLE MACROCYCLE:OXYGENASE CHEMISTRY	66,350
1R01 AI24855-01A1	STETLER, DEAN A	RNA POLYMERASE I AND AUTOANTIBODIES IN MURINE SLE	67,904
1R01 GM37233-01A1	TAKUSAGAWA, FUSAO	STRUCTURAL STUDIES OF METHYL CYCLE ENZYMES	47,321
INSTITUTION TOTAL	3	181,575	
CITY TOTAL	3	181,575	
STATE TOTAL	9	700,168	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
1R01 CA46259-01	GALLICCHIO, VINCENT S	CONTROL OF HEMATOPOIETIC TOXICITY WITH INTERLEUKIN-1	78,163
1R29 GM39754-01	RICHARD, JOHN P	REACTIVE INTERMEDIATES OF ENZYMATIC REACTIONS	65,228
1R01 CA44522-01A1	YOUNG, ALFRED B	INTERSTITIAL NEUTRON THERAPY FOR GLIOBLASTOMA	34,364
INSTITUTION TOTAL	3	177,755	
CITY TOTAL	3	177,755	
STATE TOTAL	3	177,755	
LOUISIANA			
BATON ROUGE			
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE AT BATON ROUGE			
1R29 GM39615-01	NELSON, JEFFREY W	INFLUENCE OF ALPA-HELICES ON THE FOLDING OF APAMIN	75,294
INSTITUTION TOTAL	1	75,294	
CITY TOTAL	1	75,294	
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS			
1R29 ES04344-01A1	BACKES, WAYNE L	TOXICOLOGICAL SIGNIFICANCE OF ALKYLBENZENE METABOLISM	84,500
INSTITUTION TOTAL	1	84,500	
TULANE UNIVERSITY OF LOUISIANA			
1R22 AI26189-01	LANNERS, H NORBERT	IN VITRO CULTIVATION/MALARIA PARASITE PLASMODIUM VIVAX	70,942
1R29 HD23921-01	MUNEOKA, KEN	ANALYSIS OF GROWTH CONTROL IN DEVELOPING MOUSE LIMBS	67,976
1R29 GM40037-01	WALKER, PATRICK D	OXY-RADICALS IN GENTAMICIN AND OTHER TOXIC NEPHROPATHIES	63,699
INSTITUTION TOTAL	3	202,617	
CITY TOTAL	4	287,117	
SHREVEPORT			
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT SHREVEPORT			
1R29 AI25098-01A1	PERRY, ROBERT D	IRON STORAGE AND UPTAKE IN YERSINIA PESTIS	75,465
1R01 HL36965-01A2	SMITH, ROBERT L	STRUCTURE-FUNCTION STUDIES OF HUMAN PLASMA FIBRONECTIN	41,338
INSTITUTION TOTAL	2	116,803	
CITY TOTAL	2	116,803	
STATE TOTAL	7	479,214	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MAINE			
BAR HARBOR			
JACKSON LABORATORY			
1R01 HD23839-01	EPPIG, JOHN J	DEVELOPMENT OF MAMMALIAN OOCYTE-GRANULOSA CELL COMPLEX	87,182
1R01 GM39414-01	NADEAU, JOSEPH H	GENE MAPPING AND GENOME ORGANIZATION IN MAMMALS	126,536
INSTITUTION TOTAL	2	213,718	
CITY TOTAL	2	213,718	
STATE TOTAL	2	213,718	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
1R01 AI25372-01	ANSARI, AFTAB A	IMMUNOBIOLOGY OF IA-DETERMINANT AND HLA-D INTERACTION	113,292
1R01 GM38177-01A1	BEATTIE, CHARLES	ANESTHESIA IN PERIPHERAL VASCULAR SURGERY	132,127
1R01 DK38051-01A1	BOYER, SAMUEL H	GENE EXPRESSION DURING ERYTHROID MATURATION	134,820
1R01 CA48723-01	BROOKMEYER, RONALD S	STATISTICAL METHODS IN AIDS RESEARCH	57,310
1R29 HL39435-01	BROWER, ROY G	PULMONARY CIRCULATION--FLOW, VOLUME, AND FILTRATION	41,963
1R01 AR39420-01	CHEDEKEL, MILES R	BIOSYNTHETIC AND STRUCTURAL STUDIES ON MELANINS	86,471
1R29 AI24985-01A1	CHILTON, FLOYD H	BIOCHEMICAL INTERACTIONS BETWEEN LIPID MEDIATOR CLASSES	72,395
1R01 CA44887-01A1	DONNENBERG, ALBERT D	DEPLETION OF BONE MARROW LYMPHOCYTES	92,193
1R01 HD21093-01A2	DUDGEON, DAVID L	PARENTERAL NUTRITION--EFFECTS ON INTESTINAL DEVELOPMENT	121,352
1R29 AI24682-01A1	ESA, AHMED H	MODULATION OF ACCESSORY CELL FUNCTIONS BY CYCLOSPORINE	82,552
1R01 AG07660-01	GOLDBERG, ANDREW P	AEROBIC CAPACITY AND METABOLIC FUNCTION IN SENIORS	177,488
1R01 CA46289-01	GRIFFIN, CONSTANCE A	CHROMOSOME ABNORMALITIES IN HUMAN BRAIN TUMORS	68,228
1R01 CA47527-01	HAMILTON, STANLEY R	MARKERS FOR METASTATIC PHENOTYPE IN COLORECTAL CANCER	86,134
1R29 HL39633-01	JOHNSON, JEFFREY V	WORK ORGANIZATION AND CARDIOVASCULAR DISEASE	56,284
1R29 HL40602-01	LEVINE, JOSEPH H	MECHANISMS OF SLOW DISCONTINUOUS CONDUCTION	53,471
1R29 GM39261-01	LIANG, KUNG-YEE	STATISTICAL METHODS FOR NON STANDARD DATA	51,711
1R01 NS25065-01A1	MANIS, PAUL B	PHYSIOLOGY OF DORSAL COCHLEAR NUCLEUS MOLECULAR LAYER	63,043
1R01 HL38291-01A1	MURRAY, PAUL A	ANESTHESIA MODULATES NEUROHUMORAL PULMONARY VASOACTIVITY	112,196
1R01 CA47480-01	NELKIN, BARRY D	DIFFERENTIATION OF MEDULLARY THYROID CARCINOMA CELLS	120,542
1R01 AG07735-01	OLTON, DAVID S	BEHAVIORAL AND PHYSIOLOGICAL BIOMARKERS OF AGING	94,191
1R29 HL39619-01	OSBORN, JOHN W	ARTERIAL PRESSURE IN PARAPLEGIA--ROLE OF SPINAL SYSTEMS	69,423
1R01 CA46143-01	PASTERNACK, GARY R	NOVEL CANCER-RELATED HAPTOGLOBIN	96,404
1R29 CA46418-01	PENNO, MARGARET B	ANTISENSE RNA AND DNA INHIBITION OF KI-RAS TRANSLATION	54,007
1R01 GM38310-01A1	SHAPER, JOEL H	BOVINE GALTASE--STRUCTURE/FUNCTION & CLONING STUDIES	96,642
1R01 CA48647-01	SHARKIS, SAUL J	HEMATOPOIETIC BLAST CELL COLONIES FUNCTIONAL CAPACITY	120,139
1R29 HL39683-01	SITZMANN, JAMES V	SPLANCHNIC HEMODYNAMICS IN PORTAL HYPERTENSION	73,054
1R29 AR38884-01A1	STRICKLAND, PAUL T	SUSCEPTIBILITY DETERMINANTS FOR PHOTOCARCINOGENESIS	60,163
1R01 NS25369-01	TRONCOSO, JUAN C	FILAMENTOUS PATHOLOGY IN NEURODEGENERATIVE DISORDERS	64,353
1R29 HL40422-01	TUNG, LESLIE	CONTRACTILITY OF ISOLATED HEARTS CELLS	58,121
1R29 GM39568-01	WHEELER, DAVID M	VOLATILE ANESTHETICS & RAT HEART CELL CONTRACTILITY	72,527

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
1R29 AI25529-01	ZEGER, SCOTT L	REGRESSION FOR TIME-DEPENDENT DATA	63,159
INSTITUTION TOTAL	31	2,645,755	
MOLECULAR DIAGNOSTIC SYSTEMS, INC.			
1R43 AI25983-01	SELLS, MARY A	IN VITRO TESTING FOR AGENTS THAT INHIBIT HBV REPLICATION	34,450
INSTITUTION TOTAL	1	34,450	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE PROFESSIONAL SCHOOL			
1R29 HL38316-01A1	BRUNNER, MARTHA J	CAROTID BAROREFLEX CONTROL IN NORMO- AND HYPERTENSION	59,733
1R29 CA48664-01	FOX, BARBARA S	INFLUENCE OF IMMUNIZATION REGIMEN ON HELPER T CELLS	60,082
1R01 GM39617-01	LAKOWICZ, JOSEPH R	TRANSIENT EFFECTS IN FLUORESCENCE QUENCHING	54,018
1R21 EY07766-01	RICHARDS, RICHARD D	MARYLAND BIOSTATISTICS-EPIDEMIOLOGY-CLINICAL TRAILS UNIT	55,000
1R01 NS26583-01	STERNBERGER, NANCY H	INTRACELLULAR TARGETING/ANTI-VIRAL AGENTS AND AIDS	113,310
1R01 NS25598-01	WEINREICH, DANIEL	IMMUNOREGULATION OF AUTONOMIC SYNAPTIC NEUROTRANSMISSION	145,136
INSTITUTION TOTAL	6	487,279	
CITY TOTAL	38	3,167,484	
BETHESDA			
FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY			
1R13 CA47107-01	GOODMAN, DE WITT S	FASEB SUMMER RESEARCH CONFERENCE ON RETINOIDS	10,000
INSTITUTION TOTAL	1	10,000	
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE			
1R01 AI25231-01	HOLMES, KATHRYN V	MOLECULAR GENETICS OF THE RECEPTOR FOR MHV	114,058
1R01 GM39933-01	MINTON, KENNETH W	RADIOBIOLOGY OF D RADIODURANS--GENETIC APPROACH	78,647
INSTITUTION TOTAL	2	192,705	
CITY TOTAL	3	202,705	
CATONSVILLE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS			
1R01 GM37106-01A2	CASTORA, FRANK J	DNA TOPOISOMERASES--DNA INTERACTIONS	86,464
INSTITUTION TOTAL	1	86,464	
CITY TOTAL	1	86,464	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MARYLAND			
COLLEGE PARK			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS			
1R01 NS25768-01	DOOLING, ROBERT J	COMPARATIVE ASPECTS OF SOUND LOCALIZATION	63,791
INSTITUTION TOTAL	1	63,791	
CITY TOTAL	1	63,791	
GAITHERSBURG			
GENEX CORPORATION			
1R43 GM39646-01	BIRD, ROBERT E	SINGLE-CHAIN ANTIGEN-BINDING PROTEIN THAT BINDS CEA I	32,389
1R43 GM39635-01	FAHNESTOCK, STEPHEN R	IMPROVED SECRETION OF HUMAN SERUM ALBUMIN IN BACILLUS	16,176
1R43 GM39662-01	HARDMAN, KARL D	ANTI-FLUORESCEIN SINGLE-CHAIN ANTIGEN-BINDING PROTEIN	33,385
INSTITUTION TOTAL	3	81,950	
QUALITY BIOLOGICAL, INC.			
1R43 CA47153-01	BROWN, RONALD L	SERUM-FREE MEDIUM FOR LAK, NK CELLS AND MONOCYTES	50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	4	131,950	
ROCKVILLE			
BIOTRONIC SYSTEMS CORPORATION			
1R43 AI26019-01	HUNTER, KENNETH W	RAPID BIOSENSOR ASSAY OF AIDS VIRUS ANTIBODIES	50,000
1R43 AI25971-01	ROBLIN, RICHARD O	RAPID BIOSENSOR TEST FOR HEPB CORE ANTIGENS ANTIBODIES	50,000
INSTITUTION TOTAL	2	100,000	
CITY TOTAL	2	100,000	
STATE TOTAL	49	3,752,394	
MASSACHUSETTS			
AMHERST			
AMHERST COLLEGE			
1R29 GM39758-01	HANSEN, DAVID E	SEQUENCE-SPECIFIC ANTIBODY PROTEASES	87,325
INSTITUTION TOTAL	1	87,325	
HAMPSHIRE COLLEGE			
1R01 GM40000-01	DEMPLE, BRUCE	HUMAN REPAIR ENZYME FOR 3-FRAGMENTS IN OXIDIZED DNA	70,464
INSTITUTION TOTAL	1	70,464	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
AMHERST			
UNIVERSITY OF MASSACHUSETTS AT AMHERST			
1R01 GM40458-01	SCHWARTZ, LAWRENCE M	MOLECULAR MECHANISMS CONTROLLING PROGRAMMED CELL DEATH	98,495
INSTITUTION TOTAL	1	98,495	
CITY TOTAL	3	256,284	
BOSTON			
BETH ISRAEL HOSPITAL			
1R29 HL38906-01A1	BURSTEIN, DEBORAH	CARDIAC NMR H, NA, & K SPECTROSCOPY & IMAGING	57,460
1S10 RR04207-01	DVORAK, ANN M	ELECTRON MICROSCOPE	245,000
INSTITUTION TOTAL	2	302,460	
BOSTON HEALTH AND HOSPITALS DEPARTMENT--BOSTON CITY HOSPITAL			
1R01 NS25801-01	COULTER, DAVID L	CONTROLLED STUDY OF INFANT HIV ENCEPHALOPATHY	112,668
1R29 HL39665-01	LIEBMAN, HOWARD A	ROLE OF METAL IONS IN THE FUNCTION OF HUMAN FACTOR IX	52,229
INSTITUTION TOTAL	2	164,897	
BOSTON UNIVERSITY			
1R13 RR04299-01	CALLARD, IAN P	UNCONVENTIONAL VERTEBRATES AS ANIMAL MODELS IN ENDOCRINE	14,363
1R29 NS24799-01A1	COTANCHE, DOUGLAS A	REGULATION OF HAIR CELL DEVELOPMENT & REGENERATION	65,922
1R01 HL40423-01	D'AGOSTINO, RALPH B	DECLINE IN CARDIOVASCULAR MORTALITY FRAMINGHAM 1950-1984	110,893
1R01 DK39328-01	FISHMAN, JORDAN B	CHARACTERIZING V1 RECEPTORS AND ASSOCIATED G-PROTEINS	86,096
1S07 RR05989-01	FRANKL, SPENCER	BIOMEDICAL RESEARCH SUPPORT GRANT	17,601
1R01 DK40025-01	GOLDSTEIN, IRWIN	ROLE OF NEUROTRANSMITTERS IN PENILE ERECTION	98,162
1R01 NS25796-01	KUCERA, JAN	DEVELOPING MUSCLE SPINDLE	57,105
1R01 EY07574-01	LEIBOWITZ, HOWARD M	DEVELOPING A BIOPOLYMERIC KERATOPROSTHESIS FOR THE EYE	136,813
1R01 EY07559-01	NASI, ENRICO	IONIC CHANNELS & CALCIUM CHANGES IN PHOTORECEPTORS	99,363
1R37 CA45762-01A1	ROSENBERG, LYNN	CASE CONTROL SURVEILLANCE OF SERIOUS ILLNESSES AND DRUGS	169,260
1S10 RR04012-01	ROTHSCHILD, KENNETH J	LASER RAMAN SPECTROSCOPY FACILITY	225,000
1R01 AG07457-01	SCHWEBER, MIRIAM	DIAGNOSTIC TEST FOR PRESYMPTOMATIC ALZHEIMER'S DISEASE	86,347
1R01 GM38014-01A1	SNYDER, JOHN K	SYNTHESIS OF THE DANSHENGDIOLS	64,469
1R01 AR38900-01A1	ZAMANSKY, GLEN B	ENVIRONMENTAL ULTRAVIOLET LIGHT AND CYTOSKELETAL DAMAGE	67,931
1R29 DK40192-01	ZOELLER, RAPHAEL ANDREW	BIOSYNTHESIS AND FUNCTIONS OF ANIMAL CELL PHOSPHOLIPIDS	57,780
INSTITUTION TOTAL	15	1,357,105	
BRIGHAM AND WOMEN'S HOSPITAL			
1R01 HL38288-01A1	FLOROS, JOANNA	CONTROL OF SURFACTANT PROTEIN IN LUNG DEVELOPMENT	100,451
1R01 HD24499-01	GRAVES, STEVEN W	ABNORMAL SODIUM HOMEOSTASIS IN HYPERTENSIVE PREGNANCY	136,953
1R01 HD23547-01	HILL, JOSEPH A	REPRODUCTIVE FAILURE IN ENDOMETRIOSIS--IMMUNE MECHANISMS	32,832

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
BRIGHAM AND WOMEN'S HOSPITAL			
1R01 NS25538-01	JOHNSON, DAVID	ROLE OF NERVOUS SYSTEM MAST CELLS IN DEMYELINATION	85,149
1R29 GM39300-01	LEE, GLORIA	STRUCTURE AND FUNCTION OF MOUSE TAU PROTEIN	59,570
1R01 AG07459-01	LIANG, MATTHEW H	DEVELOPMENT & EVALUATION OF PHYSICAL FUNCTION MEASURES	62,699
1R01 HL40411-01	LOSCALZO, JOSEPH	PLATELETS, PLATELET AGGREGATES & PLASMINOGEN ACTIVATION	94,773
1R01 HL40619-01	ROSNER, BERNARD A	ANALYSIS OF LONGITUDINAL CARDIOPULMONARY DATA	114,803
1R01 GM39939-01	WANG, GING K	IN VIVO EXPRESSION OF SCHWANN CELL NA CHANNEL	160,037
1R01 GM40085-01	WEIS, JANIS J	FUNCTIONAL MAPPING OF THE HUMAN C3D RECEPTOR, CR2	58,928
1R01 DK38690-01A1	ZEIDEL, MARK L	ATRIAL PEPTIDE REGULATION OF SODIUM TRANSPORT	72,147
INSTITUTION TOTAL	11	978,342	
CHILDREN'S HOSPITAL			
1R01 AI22537-01A2	CARROLL, MICHAEL C	COMPLEMENT C4--MOLECULAR BASIS FOR DISEASE ASSOCIATION	103,425
1R29 AR38551-01A1	MANTZOURANIS, EVANGELIA C	SERUM AMYLOID P COMPONENT--REGULATION OF GENE EXPRESSION	54,119
INSTITUTION TOTAL	2	157,544	
DANA-FARBER CANCER INSTITUTE			
1R01 CA46776-01	BUMP, EDWARD A	MECHANISMS OF MODIFICATION OF RADIATION SENSITIVITY	109,155
1R01 GM36667-01A2	HANSEN, ULLA M	CHROMATIN EFFECTS ON RNA POLYMERASE II TRANSCRIPTION	84,798
1R01 AI25505-01	RUDD, CHRISTOPHER E	ANALYSIS OF A NEW HUMAN T CELL-ACTIVATION ANTIGEN	69,580
1R29 GM39312-01	WEAVER, DAVID T	REGULATION OF DNA REARRANGEMENT IN B LYMPHOCYTES	63,700
INSTITUTION TOTAL	4	327,233	
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION			
1R01 EY07552-01	ZUCKER, CHARLES L	MICROCIRCUITRY OF IDENTIFIED CELLS IN VERTEBRATE RETINAS	110,172
INSTITUTION TOTAL	1	110,172	
HARVARD UNIVERSITY			
1R01 HD23536-01	FRISCH, ROSE E	MRI OF BODY FAT, OVULATION AND ESTROGEN METABOLISM	95,425
1R01 AG07723-01	GALLOP, PAUL M	BIOMARKERS OF AGING--CIRCULATING/DEPOSITED OSTEOCALCIN	105,031
1R01 HL39211-01A1	GARVEY, ARTHUR J	BIOLOGICAL & BEHAVIORAL PREDICTORS OF SMOKING RELAPSE	131,229
1R29 HD23718-01	GOLDMAN, MARLENE B	EPIDEMIOLOGIC INVESTIGATIONS OF HUMAN INFERTILITY	66,891
1R01 CA45172-01A1	KATAOKA, TOHRU	MOLECULAR GENETICS OF THE G PROTEIN-TARGET INTERACTION	133,151
1R01 AI23847-01A2	KUPIEC-WEGLINSKI, JERZY W	ANTI IL-2 RECEPTOR MOAB & CYCLOSPORINE IN GRAFTED HOSTS	117,608
1R01 GM37977-01A1	MC KEON, FRANK D	FUNCTION DOMAINS IN THE NUCLEAR LAMIN PROTEINS	113,222
1R29 AI25644-01	RINGLER, DOUGLAS J	IMMUNOMORPHOLOGIC BASIS FOR SIV PATHOGENECITY	68,154
1R01 CA46361-01	SEIDMAN, JONATHAN G	REGULATION OF MURINE 21-HYDROXYLASE GENE EXPRESSION	78,760
INSTITUTION TOTAL	9	909,471	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
INTERNATIONAL CONGRESS FOR INFECTIOUS DISEASES			
1R13 AI26057-01	KASS, EDWARD H	INTERNATIONAL CONGRESS FOR INFECTIOUS DISEASES	1,000
INSTITUTION TOTAL	1	1,000	
MASSACHUSETTS EYE AND EAR INFIRMARY			
1R01 EY07620-01	CHENG, HONG-MING	REGIONAL NMR MULTINUCLEAR STUDIES OF OCULAR TISSUES	137,707
1R13 NS25540-01	NADOL, JOSEPH B, JR	SYMPOSIUM ON MENIERES DISEASE	15,000
1R29 EY07573-01	YANDELL, DAVID W	RETINOBLASTOMA DIAGNOSIS USING OLIGONUCLEOTIDE PROBES	62,682
INSTITUTION TOTAL	3	215,389	
MASSACHUSETTS GENERAL HOSPITAL			
1R01 NS25753-01	AMES, ADELBERT, III	PROTECTION OF CNS CELLS FROM ISCHEMIA	97,978
1R29 HL39622-01	CAMBRIA, RICHARD P	VASCULAR CELL INTERACTIONS AND INTIMAL HYPERPLASIA	83,696
1R29 NS25588-01	KOWALL, NEIL W	HISTOCHEMICAL STUDIES OF HUNTINGTON'S DISEASE BRAIN	67,105
1R01 DK38165-01A1	LEAF, ALEXANDER	MECHANISMS OF DISEASE PREVENTION OF N-3 FATTY ACIDS	92,399
1R01 NS25968-01	LEHRICH, JAMES R	L-THREONINE ADMINISTRATION IN MULTIPLE SCLEROSIS	82,980
1R29 DK40083-01	MOJSOV, SVETLANA	ROLE OF GLP-I7-37 IN INSULIN SECRETION	55,250
1R29 NS24594-01A1	STRASSMAN, ANDREW M	ACTIVITY OF VISCERAL & NOCICEPTIVE TRIGEMINAL NEURONS	85,171
1R01 HL38267-01A1	VENEGAS, JOSE G	REGIONAL VENTILATION IN THE NON-HOMOGENEOUS LUNG	104,174
1R01 GM37590-01A1	ZANER, KEN S	MECHANICAL PROPERTIES OF CYTOSKELETAL PROTEINS	99,542
INSTITUTION TOTAL	9	768,295	
NEW ENGLAND DEACONESS HOSPITAL			
1R01 CA44852-01A1	BARLOZZARI, TERESA	IL-2 ACTIVATION OF HUMAN NATURAL KILLER CELLS	67,967
1R13 AI26076-01	MONACO, ANTHONY P	SUPPORT OF XIITH CONGRESS OF THE TRANSPLANTATION SOCIETY	38,000
INSTITUTION TOTAL	2	105,967	
NEW ENGLAND MEDICAL CENTER HOSPITALS, INC.			
1R01 HL40518-01	ISNER, JEFFREY M	LASER IRRADIATION AND VASCULAR REACTIVITY	115,907
1R01 DK38155-01A1	MADIAS, NICOLAOS E	CELLULAR ACIDIFICATION MECHANISMS--RESPIRATORY DISORDERS	111,663
INSTITUTION TOTAL	2	227,570	
NORTHEASTERN UNIVERSITY			
1R01 GM39543-01	BERGMAN, KOSTIA	TAXIS OF RHIZOBIA TO LOCALIZED SITES ON LEGUME ROOTS	77,813
1R29 NS25515-01	BUUS, SOREN	ENVELOPE & CO-MODULATION CUES IN NORMAL & IMPAIRED EARS	76,962
1R29 AR39318-01	MARSH, RICHARD L	FUNCTIONAL & STRUCTURAL PROPERTIES OF SKELETAL MUSCLE	79,809
1R01 CA47671-01	SCHATZ, ROBERT A	SOLVENT AND ETHANOL INTERACTION ON BAP METABOLISM	38,147
INSTITUTION TOTAL	4	272,731	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
ST. ELIZABETH'S HOSPITAL OF BOSTON			
1R01 HL40631-01	LAWLER, JOHN W	MOLECULAR BIOLOGY OF HUMAN THROMBOSPONDIN	88,592
INSTITUTION TOTAL	1	88,592	
TUFTS UNIVERSITY			
1R01 AG07747-01	BRONSON, RODERICK T	AGE RELATED LEGIONS AS BIOMARKERS OF AGING	60,917
1R01 AG07472-01	DICE, JAMES F, JR	DEGRADATION OF ABNORMAL PROTEINS IN SENESCENT	89,480
1P01 HD23681-01	TOOLE, BRYAN P	CELL-MATRIX INTERACTIONS IN LIMB DEVELOPMENT	416,467
INSTITUTION TOTAL	3	566,864	
CITY TOTAL	71	6,553,632	
BROOKLINE			
NETWORK INSTRUMENTS			
1R43 NS25854-01	KUPERSTEIN, MICHAEL	MULTICHANNEL MICROELECTRODES FOR NEUROCHEMICAL SENSING	21,365
1R43 NS25861-01	KUPERSTEIN, MICHAEL	MULTICHANNEL MICROELECTRODES FOR NEURAL RECORDING	40,970
INSTITUTION TOTAL	2	62,335	
CITY TOTAL	2	62,335	
CAMBRIDGE			
APPLIED BIOTECHNOLOGY, INC.			
1R43 AI26028-01	ROBERTS, BRYAN E	ATTENUATION OF THE NYCBH VACCINE STRAIN OF VACCINIA	49,000
INSTITUTION TOTAL	1	49,000	
HARVARD UNIVERSITY			
1R01 GM39686-01	BRANTON, DANIEL	GENETIC STUDIES OF NON-ERYTHROID SPECTRIN	134,299
INSTITUTION TOTAL	1	134,299	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
1R01 AI25631-01	FOX, JAMES G	CAMPYLOBACTER PYLORIDIS IN GASTRODUODENAL DISEASE	64,329
1R37 HL39753-01	ROSENBERG, ROBERT D	REGULATION OF BLOOD PLATELET PRODUCTION	114,310
1R01 DK39520-01	VARSHAVSKY, ALEXANDER J	SELECTIVE PROTEIN TURNOVER	164,315
1R01 NS25995-01	WEISS, THOMAS F	THEORY OF FLUID MECHANICAL STIMULATION OF HAIR CELLS	63,179
INSTITUTION TOTAL	4	406,133	
NATIONAL BUREAU OF ECONOMIC RESEARCH			
1S07 RR05995-01	GROSSMAN, MICHAEL	BIOMEDICAL RESEARCH SUPPORT GRANT	27,807
INSTITUTION TOTAL	1	27,807	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
CAMBRIDGE			
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH			
1R01 GM39458-01	BALTIMORE, DAVID	LYMPHOCYTE AND HIV TRANSCRIPTION	77,455
1R29 AI26380-01	KORMAN, ALAN J	RECONSTITUTION OF T CELL RECEPTOR FUNCTION	61,984
1R29 GM39341-01	ORR-WEAVER, TERRY L	REPLICATION AND POLYTENIZATION IN DROSOPHILA	48,753
INSTITUTION TOTAL	3	188,192	
CITY TOTAL	10	805,431	
NATICK			
RESEARCH BIOCHEMICALS, INC.			
1R43 NS25870-01	NEUMEYER, JOHN L	SYNTHESIS OF PROBES TO MONITOR BRAIN RECEPTOR MOBILITY	44,850
INSTITUTION TOTAL	1	44,850	
CITY TOTAL	1	44,850	
NEWTON			
BOSTON COLLEGE			
1R01 GM37840-01A2	DUNN, MARY K	REGULATION OF SYMBIOTIC PLANT GENES	91,998
1R01 GM39072-01	KELLY, T ROSS	SYNTHETIC ACTIVE SITES FOR CATALYSIS OF BOND FORMATION	81,745
INSTITUTION TOTAL	2	173,743	
CITY TOTAL	2	173,743	
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, INC.			
1R29 NS25914-01	JACKSON, F ROB	GABAFRGIC NEUROTRANSMITTER SYSTEMS	64,139
1R01 HD23668-01	ZIOMEK, CAROL A	ALKALINE PHOSPHATASE IN THE PREIMPLANTATION MOUSE EMBRYO	145,583
INSTITUTION TOTAL	2	209,722	
CITY TOTAL	2	209,722	
SOMERVILLE			
TRACER TECHNOLOGIES, INC.			
1R43 NS26206-01	WALSH, FRASER M	THIN CERAMIC COATINGS FOR IMPLANTED DEVICES	21,980
INSTITUTION TOTAL	1	21,980	
CITY TOTAL	1	21,980	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
WALTHAM			
BRANDEIS UNIVERSITY			
1R01 NS25366-01	LEVITAN, IRWIN B	REGULATION OF SYNAPTIC SPECIFICITY	100,587
1R29 NS25621-01	TULLY, TIMOTHY P	NEURAL SUBSTRATES OF LEARNING AND MEMORY	52,574
INSTITUTION TOTAL	2	153,161	
GINER, INC.			
1R43 DK39278-01A1	SARANGAPANI, SRINIVASAN	ELECTROCHEMICAL REACTOR TO DISINFECT REUSED DIALYZERS	26,219
INSTITUTION TOTAL	1	26,219	
CITY TOTAL	3	179,380	
WATERTOWN			
NEW ENGLAND RESEARCH INSTITUTE, INC.			
1R01 AG07139-01A1	MC KINLAY, JOHN B	ORAL HEALTH OF OLDER ADULTS	389,880
INSTITUTION TOTAL	1	389,880	
CITY TOTAL	1	389,880	
WOBURN			
BIOTEK, INC.			
1R43 AI25298-01A1	NUWAYSER, ELIE S	DEVELOPMENT OF TRANSDERMAL ANTIHISTAMINE DELIVERY SYSTEM	22,678
INSTITUTION TOTAL	1	22,678	
CITY TOTAL	1	22,678	
WOODS HOLE			
WOODS HOLE OCEANOGRAPHIC INSTITUTION			
1S07 RR07243-01	STEGEMAN, JOHN J	BIOMEDICAL RESEARCH SUPPORT GRANT	14,012
INSTITUTION TOTAL	1	14,012	
CITY TOTAL	1	14,012	
WORCESTER			
CAMBRIDGE BIOSCIENCE CORPORATION			
1R43 AI26417-01	HUNG, CHUNG-HO	PURIFICATION OF HTLV-I RECOMBINANT ENVELOPE ANTIGEN	38,900
INSTITUTION TOTAL	1	38,900	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS			
WORCESTER			
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER			
1R01 CA47103-01	LUDLUM, DAVID B	EARLY EVENTS IN CHEMICAL INDUCED MAMMARY TUMOR	77,425
1R01 AI24083-01A1	POTEETE, ANTHONY R	GENETIC ANALYSIS OF BACTERIOPHAGE LYSOZYME STRUCTURE	101,389
1R01 AI25542-01	SULLIVAN, JOHN L	IMMUNOREGULATION DURING INFECTIOUS MONONUCLEOSIS	89,934
INSTITUTION TOTAL 3		268,748	
CITY TOTAL 4		307,648	
STATE TOTAL 102		9,041,575	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN AT ANN ARBOR			
1R29 AI25641-01	BALAZOVICH, KENNETH J	PROTEIN KINASE IN HUMAN NEUTROPHILS	64,890
1R01 NS25662-01	BECKER, JILL B	GONADAL HORMONE INVOLVEMENT IN BRAIN ACTIVITY	74,823
1R01 DK40042-01	BRIGGS, JOSEPHINE PASHLER	RENIN RELEASE FROM ISOLATED JUXTAGLOMERULAR APPARATUS	80,859
1R03 DE08534-01	BURT, BRIAN A	FLUORIDATION AND THE PREVENTION OF OSTEOPOROSIS	14,917
1R01 CA46622-01	CLINTHORNE, NEAL H	COINCIDENCE TIMING FOR POSITRON IMAGING DEVICES	121,049
1R01 DK39690-01	COLLINS, FRANCIS S	REVERSE GENETICS OF CF LOCUS USING CHROMOSOME JUMPING	110,711
1R01 HD23768-01	GORSKI, JEROME L	ANALYSIS & CLONING OF A DEVELOPMENT SKIN LOCUS	55,234
1R01 NS25782-01	HUME, RICHARD I	ANALYSIS OF THE EXCITATORY ACTION OF ATP	78,034
1R01 HL35255-01A2	LONG, MICHAEL W	EXTRACELLULAR MATRIX IN HEMATOPOIETIC MICROENVIRONMENT	116,304
1R29 DK39356-01	LOUIE, DEXTER S	PROTEIN KINASE C MEDIATION OF PANCREATIC SECRETION	58,157
1R01 HD23736-01	MARSHALL, JOHN C	INTRACELLULAR MECHANISMS REGULATING LH SUBUNIT	80,418
1R29 CA47558-01	MCKEEVER, PAUL E	ANTIGENIC HETEROGENEITY AND INSTABILITY IN HUMAN GLIOMAS	66,500
1R13 DE08556-01	MILLARD, HERBERT DEAN	WORLD WORKSHOP IN ORAL MEDICINE	20,816
1R01 NS25825-01	MISTRETTA, CHARLOTTE M	DEVELOPMENT OF THE SENSE OF TASTE	110,481
1R01 NS25564-01	MOODY, DAVID B	CHANGES IN HEARING FOLLOWING DAMAGE TO THE COCHLEAR APEX	88,036
1R01 HD23867-01	O'SHEA, KATHY S	ROLE OF THROMBOSPONDIN IN CNS DEVELOPMENT	103,745
1R01 GM39406-01	PECORARO, VINCENT L	STRUCTURAL MODELS FOR MULTINUCLEAR MANGANOENZYMES	53,138
1R29 HL39339-01A1	REMICK, DANIEL G	GRANULOMATOUS INFLAMMATION AND INTERLEUKIN-2	58,134
1R01 AI25526-01	RICHARDSON, BRUCE C	DNA METHYLATION, GENE EXPRESSION AND AUTOIMMUNITY	136,218
1R01 CA43859-01A2	SIMPSON, ROBERT U	ACTIONS OF CALCIUM AND ANTAGONISTS ON MALIGNANT CELLS	68,090
1R01 HL39672-01	SITRIN, ROBERT G	PLASMINOGEN ACTIVATOR IN INFLAMMATORY LUNG DISEASES	42,062
1R01 GM35498-01A2	SMITH, DAVID E	PROTEIN BINDING/ORGAN PERFUSION AND RENAL DRUG TRANSPORT	65,208
1R01 GM39397-01	TILL, GERD O	THERMAL INJURY, ATP DEPLETION, AND OXYGEN RADICALS	57,781
1R01 GM38608-01A1	WAGNER, GERHARD	NMR SPECTROSCOPY FOR PROTEIN MOLECULAR DESIGN	85,427
1R01 NS25656-01	WIELAND, DONALD M	POSITRON-EMITTING RADIOTRACERS FOR MAPPING NEURORECEPTOR	133,805
INSTITUTION TOTAL 25		1,944,837	
CITY TOTAL 25		1,944,837	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MICHIGAN			
DETROIT			
HENRY FORD HOSPITAL			
1R29 HL39888-01	OLSON, STEVEN T	MOLECULAR BASIS OF BLOOD COAGULATION REGULATION	63,092
INSTITUTION TOTAL	1	63,092	
MICHIGAN CANCER FOUNDATION			
1R01 CA45028-01A1	CHRISTMAN, JUDITH K	MECHANISM OF 5-AZACR-MEDIATED ALTERATION--GENE ACTIVITY	102,173
INSTITUTION TOTAL	1	102,173	
WAYNE STATE UNIVERSITY			
1R01 CA47348-01	BACH, ROBERT D	SYNTHESIS OF FREDERICAMYCIN A AND RELATED ANTIBIOTICS	67,960
1R01 AG05233-01A1	FREEDMAN, ROBERT R	BEHAVIORAL TREATMENT OF MENOPAUSAL HOT FLASHES	88,056
1R29 DK40046-01	JEN, KAI-LIN C	NUTRITION, OBESITY AND GESTATIONAL DIABETES IN RATS	60,348
1R29 DK40725-01	LASH, LAWRENCE H	GLUTATHIONE AND MITOCHONDRIA IN TOXIC RENAL INJURY	72,382
1R01 HD23787-01	YUREWICZ, EDWARD C	ANTIBODIES TO DEGLYCOSYLATED ZONA PELLUCIDA ANTIGENS	83,758
INSTITUTION TOTAL	5	372,504	
CITY TOTAL	7	537,769	
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
1R01 GM39519-01	CHAUDRY, IRSHAD H	MAINTENANCE OF ORGAN FUNCTION FOLLOWING INJURY	131,838
1R01 GM37127-01A2	CHAUDRY, IRSHAD H	IMMUNOLOGICAL ASPECTS OF HEMORRHAGE	154,889
1R01 NS25744-01	GROFOVA, IRENA M	ORGANIZATION OF THE OUTPUT NUCLEI OF THE BASAL GANGLIA	50,323
1R01 DK39853-01	HOOTMAN, SETH R	REGULATION OF PANCREATIC MUSCARINIC RECEPTORS IN VITRO	52,009
1R01 NS20254-01A3	LOVELL, KATHRYN L	PATHOGENESIS OF MYELIN DEFICITS IN B-MANNOSIDOSIS	59,556
1R01 DK39654-01	SPIELMAN, WILLIAM S	REGULATION OF RENAL FUNCTION BY ADENOSINE	86,764
INSTITUTION TOTAL	6	535,379	
CITY TOTAL	6	535,379	
ROCHESTER			
PROTEINS INTERNATIONAL			
1R43 HL40260-01	SEVILLA, CYNTHIA L	PLASMINOGEN ACTIVATORS IN MYOCARDIAL INFARCTION	27,955
INSTITUTION TOTAL	1	27,955	
CITY TOTAL	1	27,955	
STATE TOTAL	39	3,045,940	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MINNESOTA			
EDEN PRAIRIE			
BIO-METRIC SYSTEMS, INC.			
1R43 HL40280-01	NASH, PETER	IN VIVO TESTING OF AN IMPROVED VASCULAR PROSTHESIS	29,148
INSTITUTION TOTAL	1	29,148	
CITY TOTAL	1	29,148	
INTERNATIONAL FALLS			
PROJECT MANAGEMENT TEAMS			
1R43 GM39641-01	HAMILTON, ARCHIE C	ELECTRONIC CRYOGENIC SURGICAL PROBE	50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	1	50,000	
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL			
1R01 GM39931-01	ANDERSON, DWIGHT L	RNA IN DNA VIRUS ASSEMBLY	127,329
1R01 AI25651-01	BOWERS, LARRY D	CHARACTERIZATION OF CYCLOSPORINE METABOLITES	143,258
1R01 NS25633-01	BROEN, PATRICIA A	FAMILIAL RISK FOR ARTICULATION DISORDER	49,428
1R29 NS26611-01	EFANGE, S MBUA	BASAL GANGLIA-SPECIFIC BRAIN IMAGING AGENTS FOR SPECT	90,956
1R01 AI26159-01	GRAY, BEULAH H	KILLING OF PSEUDOMONAS BY A GRANULE PROTEIN FROM PMNL	62,256
1R01 HL40650-01	HALBERG, FRANZ	CHRONOBIOLOGIC CARDIOVASCULAR TRACKING FROM BIRTH	262,114
1R01 AR37909-01A2	KURTTI, TIMOTHY J	LYME DISEASE SPIROCHETES IN TICK ORGAN AND CELL CULTURE	64,535
1P50 DE08489-01	PIHLSTROM, BRUCE L	CLINICAL RESEARCH CENTER FOR PERIODONTAL DISEASES	480,300
1R03 RR04300-01	THOMAS, DAVID D	TRANSIENT TRIPLET ANISOTROPY INDUCED BY CAGED ATP	25,000
1R01 AR39020-01	THOMAS, T J	EFFECTS OF A POLYAMINE INHIBITOR ON MURINE LUPUS	96,227
1R29 DK39216-01A1	TSILIBARY, PHOTINI-EFFIE C	FUNCTIONAL IMPORTANCE OF DOMAIN OF TYPE IV COLLAGEN	72,229
INSTITUTION TOTAL	11	1,473,632	
CITY TOTAL	11	1,473,632	
ROCHESTER			
MAYO FOUNDATION			
1R01 HD22924-01A1	GLEICH, GERALD J	EOSINOPHIL MAJOR BASIC PROTEIN IN HUMAN PREGNANCY	127,095
1R01 HL38668-01A1	SILL, JOHN C	INHALATIONAL ANESTHETICS AND CORONARY VASOMOTION	86,135
1R01 NS25374-01	SUNDT, THORALF M JR	EFFECT OF CA ANTAGONISTS ON FOCAL ISCHEMIA & SEIZURES	234,602
1R01 AI26249-01	YAKSH, TONY L	PEPTIDE RELEASE FROM PERIPHERAL TERMINALS OF AFFERENTS	99,489
INSTITUTION TOTAL	4	547,321	
CITY TOTAL	4	547,321	
STATE TOTAL	17	2,100,101	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSISSIPPI			
UNIVERSITY			
UNIVERSITY OF MISSISSIPPI			
1S07 RR07242-01	GUESS, WALLACE L	BIOMEDICAL RESEARCH SUPPORT GRANT	28,125
INSTITUTION TOTAL	1	28,125	
CITY TOTAL	1	28,125	
STATE TOTAL	1	28,125	
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI-COLUMBIA			
1R01 NR01282-01A3	GEDEN, ELIZABETH A	COGNITIVE STRATEGIES ON RECOVERY FROM CESAREAN DELIVERY	72,302
1R29 HL38406-01A1	HALENDA, STEPHEN P	ROLE OF C-KINASE IN PLATELET ARACHIDONATE RELEASE	68,509
1R01 GM39036-01	NEWTON, KATHLEEN J	GENETICS OF MAIZE MITOCHONDRIA	76,008
1R01 NS25395-01	O'DELL, BOYD L	ZINC AND COPPER STATUS AND NERVOUS SYSTEM FUNCTION	132,264
INSTITUTION TOTAL	4	349,083	
CITY TOTAL	4	349,083	
KANSAS CITY			
ST. LUKE'S HOSPITAL OF KANSAS CITY			
1S07 RR06001-01	GOETZ, KENNETH L	BIOMEDICAL RESEARCH SUPPORT GRANT	7,334
INSTITUTION TOTAL	1	7,334	
UNIVERSITY OF MISSOURI-KANSAS CITY			
1S07 RR05997-01	MARTINEZ-CARRION, MARINO	BIOMEDICAL RESEARCH SUPPORT GRANT	22,922
INSTITUTION TOTAL	1	22,922	
CITY TOTAL	2	30,256	
SAINT LOUIS			
CENTRAL INSTITUTE FOR THE DEAF			
1R01 NS25583-01	GEERS, ANN E	EVALUATION OF COCHLEAR IMPLANTS WITH DEAF CHILDREN	253,581
1R01 EY07547-01	SILVERMAN, MARTIN S	TRANSPLANTATION OF MAMMALIAN PHOTORECEPTORS	92,767
INSTITUTION TOTAL	2	346,348	
GOLD BIOTECHNOLOGY, INC.			
1R43 DK40266-01	GOLD, PAUL	NEW METHOD FOR GENERATING OVERLAPPING DNA SUBCLONES	39,860
INSTITUTION TOTAL	1	39,860	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSOURI			
SAINT LOUIS			
JEWISH HOSPITAL OF ST. LOUIS			
1R01 CA44728-01A1	PHILPOTT, GORDON W	TUMOR LOCALIZATION AND IMAGING--COLON CANCER MACHINE	187,848
INSTITUTION TOTAL	1	187,848	
RELIABLE CHEMICAL COMPANY			
1R43 AI26410-01	TOCE, JOSEPH A	ISOLATION OF BULK DEOXYNUCLEOSIDES FOR AIDS DRUGS	50,000
INSTITUTION TOTAL	1	50,000	
ST. LOUIS UNIVERSITY			
1R29 AR39352-01	AFT, REBECCA L	TISSUE-SPECIFIC CONTROL OF MUSCLE GENE EXPRESSION	64,385
1R01 HL38471-01A1	PANNETON, W MICHAEL	TRIGEMINAL MODULATION OF AUTONOMIC BEHAVIOR	79,436
1R01 DK40163-01	SLY, WILLIAM S	BIOCHEMICAL GENETICS OF CARBONIC ANHYDRASE DEFICIENCIES	176,474
INSTITUTION TOTAL	3	320,295	
WASHINGTON UNIVERSITY			
1R01 NS26150-01	BRIDGMAN, PAUL C	NERVE GROWTH CONE LOCOMOTION	88,721
1R22 AI26186-01	CLARK-CURTISS, JOSEPHINE E	INDUCTION OF IMMUNITY TO MYCOBACTERIUM LEPRAE	83,444
1R01 HD19746-01A2	COVEY, DOUGLAS F	MECHANISMS AND CHEMISTRY OF DEHYDROGENASE INACTIVATORS	98,293
1R29 GM39106-01	KRANZ, ROBERT G	TRANSCRIPTIONAL REGULATION IN RHODOBACTER CAPSULATUS	57,783
1R01 HL40302-01	MILLER, JAMES G	COMPENSATING FOR ANISOTROPY IN MYOCARDIAL ULTRASOUND	107,744
1R01 CA41635-01A2	NUSSBAUM, GILBERT H	VASODILATOR-ASSISTED HYPERTHERMIA OF DEEP SEATED TUMORS	87,802
1R01 HL40506-01	SANTORO, SAMUEL A	MOLECULAR BASIS OF BLOOD PLATELET ADHESION TO COLLAGEN	80,019
1R01 NS25936-01	SNIDER, WILLIAM D	TROPHIC INFLUENCES ON NEURONS	50,247
1R01 AI26363-01	THOMAS, MATTHEW L	LEUKOCYTE SURFACE GLYCOPROTEINS--FUNCTION AND REGULATION	107,662
1R01 HL39934-01	WILLIAMSON, JOSEPH R	PATHOGENETIC MECHANISMS IN DIABETIC VASCULAR DISEASE	137,858
INSTITUTION TOTAL	10	899,573	
CITY TOTAL	18	1,843,924	
STATE TOTAL	24	2,223,263	
MONTANA			
GREAT FALLS			
COLUMBUS HOSPITAL			
1R01 GM41260-01	WETTSTEIN, PETER J	IMMUNOREGULATORY GENE FAMILY DIVERSITY AND DIVERGENCE	75,348
INSTITUTION TOTAL	1	75,348	
CITY TOTAL	1	75,348	
STATE TOTAL	1	75,348	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEBRASKA			
LINCOLN			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN			
1R13 CA47350-01	BRESNICK, EDWARD	BIOLOGY AND CHEMISTRY--NITROSO/RELATED COMPOUNDS	10,000
1S07 RR05990-01	BROWN, DAVID G	BIOMEDICAL RESEARCH SUPPORT GRANT	6,759
INSTITUTION TOTAL	2	16,759	
CITY TOTAL	2	16,759	
OMAHA			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
1R01 AR39381-01	LIPPIELLO, LOUIS	LIPIDS IN THE PATHOGENESIS OF OSTEOARTHROSIS	78,172
1R29 HL40348-01	PAUL, SUDHIR	CHARACTERIZATION OF THE VIP RECEPTOR IN THE LUNG	93,084
1R01 CA43550-01A1	POUR, PARVIZ M	HIGH FAT DIET IN EXPERIMENTAL PROSTATIC CANCER	51,610
1R01 HL40303-01	TRACY, STEVEN M	CARDIAC MUSCLE DISEASE AND ENTEROVIRUS PRESENCE	55,873
INSTITUTION TOTAL	4	278,739	
CITY TOTAL	4	278,739	
STATE TOTAL	6	295,498	
NEVADA			
RENO			
UNIVERSITY OF NEVADA SYSTEM--UNIVERSITY OF NEVADA RENO			
1R01 AI24506-01A1	LUPAN, DAVID M	FERRI-SIDEROPHORE RECEPTORS IN CANDIDA ALBICANS	87,973
1R01 DK40162-01	PUBLICOVER, NELSON G	MULTI-DIMENSIONAL, MATHEMATICAL MODEL OF GI MOTILITY	135,895
1S10 RR04160-01	SANDERS, KENTON M	AUTOMATED SELECTION & FLUORESCENCE ANALYSIS OF CELLS	246,000
INSTITUTION TOTAL	3	469,868	
CITY TOTAL	3	469,868	
STATE TOTAL	3	469,868	
NEW HAMPSHIRE			
DURHAM			
VISION RESEARCH LABORATORY			
1R43 RR04251-01	SMITH, ROBERT A	COMPUTER-DRIVEN PHASE-DIFFERENCE CRT HAPLOSCOPE	50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	1	50,000	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
1R01 GM40858-01	HOFFMAN, DOUGLAS W	ENDOGENOUS MODULATION OF OTO- AND NEPHROTOXICITY	85,519
1R01 CA47327-01	LONGNECKER, DANIEL S	TRANSGENIC MOUSE MODELS OF PANCREATIC CARCINOGENESIS	98,870
1R01 CA47382-01	LUBIN, MARTIN	EFFECTS OF ONCOGENES ON ION TRANSPORT	76,406
1R01 CA46806-01	NOLL, WALTER W	GENETIC MAPPING OF FAMILIAL MEDULLARY THYROID CARCINOMA	172,681
1R01 CA46551-01	NORTH, WILLIAM G	RADIODIAGNOSIS OF SCCL WITH ANTIBODIES TO NEUROPHYSINS	63,034
INSTITUTION TOTAL	5	496,510	
CITY TOTAL	5	496,510	
NEW DURHAM			
PHASE-R CORPORATION			
1R43 DK39946-01	NEISTER, S EDWARD	OPTIMIZED LASER LITHOTRIPSY OF URINARY & BILIARY STONES	47,674
INSTITUTION TOTAL	1	47,674	
CITY TOTAL	1	47,674	
STATE TOTAL	7	594,184	
NEW JERSEY			
BRANCHBURG			
ZEUS SCIENTIFIC, INC.			
1R43 AI26010-01	CALVANICO, NICKOLAS J	IDENTIFICATION OF GONOCOCCI BY SPECIFIC ANTIBODY	46,800
INSTITUTION TOTAL	1	46,800	
CITY TOTAL	1	46,800	
NEW BRUNSWICK			
RUTGERS THE STATE UNIVERSITY NEW BRUNSWICK			
1R29 AR38867-01A1	FAGAN, JULIE M	ROLE OF ATP-DEPENDENT PROTEOLYSIS IN MAMMALIAN CELLS	72,995
1R29 HL38223-01A1	HAMM, MICHAEL W	ALTERED DIETARY LIPID & THE B-ADRENERGIC SYSTEM IN HEART	74,894
1R29 GM39455-01	KOHN, JOACHIM B	STRUCTURALLY NEW BIOPOLYMERS DERIVED FROM AMINO ACIDS	59,941
1R01 AR39038-01	SIMPSON, ROBERT W	INCIDENCE & IDENTITY OF THE RA-1 PARVOVIRUS	105,347
1R01 NS26099-01	WAGNER, GEORGE C	MODEL OF PARKINSON'S DISEASE	25,034
INSTITUTION TOTAL	5	338,211	
CITY TOTAL	5	338,211	
NEWARK			
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY			
1S10 RR04014-01	BIRK, DAVID E	JEOL 1200 EX VIDEO TRANSMISSION ELECTRON MICROSCOPE	289,000

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW JERSEY			
NEWARK			
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY			
1R01 GM40751-01	BRANDRISS, MARJORIE C	REGULATION & COMPARTMENTATION IN PROLINE METABOLISM	108,248
1R01 CA46442-01	LEA, MICHAEL A	NUCLEOTIDE METABOLISM & PROMOTION OF CARCINOGENESIS	62,993
1S07 RR06004-01	SHOVLIN, FRANCIS E	BIOMEDICAL RESEARCH SUPPORT GRANT	10,069
INSTITUTION TOTAL	4	470,310	
CITY TOTAL	4	470,310	
PISCATAWAY			
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-ROBERT WOOD JOHNSON MEDICAL SCHOOL			
1R29 HL39869-01	DEAK, SUSAN B	NEW ELASTIN-RELATED PROTEIN IN ELASTIC TISSUE	52,297
INSTITUTION TOTAL	1	52,297	
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-SCHOOL OF OSTEOPATHIC MEDICINE			
1R03 DE08615-01	MOCHAN, EUGENE	INTERLEUKIN-1 AND INFLAMMATORY EVENTS IN PERIODONTITIS	15,000
INSTITUTION TOTAL	1	15,000	
CITY TOTAL	2	67,297	
PRINCETON			
PRINCETON UNIVERSITY			
1R01 GM39932-01	DISMUKES, GERARD C	MAGNETIC CHARACTERIZATION OF THE WATER OXIDIZING ENZYME	68,648
INSTITUTION TOTAL	1	68,648	
CITY TOTAL	1	68,648	
STATE TOTAL	13	991,266	
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO ALBUQUERQUE			
1R01 AI25555-01	BUSS, WILLIAM C	TOXICITY OF CYCLOSPORINE	89,941
1R29 HL40587-01	COULTAS, DAVID B	EPIDEMIOLOGY OF INTERSTITIAL LUNG DISEASE	56,824
1R01 NS24008-01A1	TOKUDA, SEI	CHRONIC INFUSION OF OPIOID PEPTIDES AND IMMUNE RESPONSES	63,072
INSTITUTION TOTAL	3	209,837	
CITY TOTAL	3	209,837	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR		TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW MEXICO				
LOS ALAMOS				
UNIVERSITY OF CALIFORNIA-LOS ALAMOS NATIONAL LABORATORY				
1R01 EY07546-01	YAMAZAKI, AKIO		GUANINE NUCLEOTIDE METABOLISM IN ROD PHOTORECEPTOR	172,964
INSTITUTION TOTAL	1	172,964		
CITY TOTAL	1	172,964		
STATE TOTAL	4	382,801		
NEW YORK				
ALBANY				
NEW YORK STATE DEPARTMENT OF HEALTH				
1R01 GM39422-01	BELFORT, MARLENE		SELF-SPLICING INTRONS IN THE PHAGE T4/E COLI SYSTEM	101,905
1R01 CA46126-01	GALIVAN, JOHN H		DRUG SYNERGY WITH ANTIFOLATE COMBINATIONS	59,107
INSTITUTION TOTAL	2	161,012		
NEW YORK STATE DEPARTMENT OF HEALTH--WADSWORTH CENTER FOR LABORATORIES AND RESEARCH				
1R01 AI25703-01	MONTE-WICHER, VICTORIA		INFECTION IN ENEMA AND SEMEN-TREATMENT	94,564
INSTITUTION TOTAL	1	94,564		
STATE UNIVERSITY OF NEW YORK AT ALBANY				
1R01 HL39118-01	SULS, JERRY M		CORONARY-PRONE BEHAVIOR, CONVENTIONAL CHD RISK FACTORS	59,353
INSTITUTION TOTAL	1	59,353		
UNION COLLEGE AND UNIVERSITY--ALBANY MEDICAL COLLEGE OF UNION UNIV				
1R01 NS24426-01A1	MAZURKIEWICZ, JOSEPH E		MOTOR NEURON DEGENERATION MUTANT	56,866
1R01 HL38894-01A1	MINNEAR, FRED L		PREVENTION OF INCREASED VASCULAR PERMEABILITY	56,328
1R01 HL40419-01	THOMAS, WILBUR A		FISH OIL, LIPOPROTEINS AND ATHERIOGENESIS	229,434
INSTITUTION TOTAL	3	342,628		
CITY TOTAL	7	657,557		
BINGHAMTON				
STATE UNIVERSITY OF NEW YORK AT BINGHAMTON				
1R01 HD24796-01	INHOFF, ALBRECHT W		MANUAL AND OCULOMOTOR CONTROL IN COPY TYPING	39,268
1R01 NS24534-01A1	VAN BUSKIRK, ROBERT G		DEXAMETHASONE/NGF REGULATE CASEIN KINASE IN PC12 CELLS	74,653
INSTITUTION TOTAL	2	113,921		
CITY TOTAL	2	113,921		

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
1R01 CA46838-01	BOX, HAROLD C	ANALYSIS OF RADIATION DAMAGE IN DNA	57,005
1R01 CA44808-01A1	BOX, HAROLD C	DNA DAMAGE, PROMOTION AND THE PROOXIDANT STATE	81,239
1R01 CA44621-01A1	BRENNER, DEAN E	ANTINEOPLASTIC DRUG HEPATIC INTERACTIONS	75,410
1R29 CA46645-01	EVANS, SHARON S	ROLE OF A-INTERFERON RECEPTOR IN HUMAN IMMUNOREGULATION	54,884
INSTITUTION TOTAL	4	268,538	
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
1R29 NS25789-01	COHAN, CHRISTOPHER S	REGULATION OF NEURITE OUTGROWTH AND CONNECTIVITY	79,625
1R29 NS24738-01A1	EDELMAN, ARTHUR M	MYOSIN PHOSPHORYLATION IN THE NERVOUS SYSTEM	73,527
1R01 NS26144-01	HRUSKA, ROBERT E	DOPAMINE RECEPTORS MODULATED BY HORMONES	55,933
1R03 DE08497-01	TERRANOVA, VICTOR P	NEOVASCULARIZATION IN PERIODONTAL REGENERATION	14,872
INSTITUTION TOTAL	4	223,957	
CITY TOTAL	8	492,495	
COLD SPRING HARBOR			
COLD SPRING HARBOR LABORATORY			
1R01 GM39892-01	ARNDT, KIM T	MULTIPLE GLOBAL REGULATIONS CONTROL THE YEAST HIS4 GENE	120,542
1R01 GM39620-01	BEACH, DAVID H	BIOCHEMICAL CHARACTERIZATION OF P34, A HUMAN HOMOLOGY	103,028
1S10 RR04169-01	MARSHAK, DANIEL R	MASS SPECTROMETER TO ANALYZE MODIFIED PROTEINS	189,000
1R01 AI26255-01	PFLUGRATH, JAMES W	CRYSTALLOGRAPHIC STUDIES OF HUMAN INTERLEUKIN 1	110,929
INSTITUTION TOTAL	4	523,499	
CITY TOTAL	4	523,499	
GARDEN CITY			
ADELPHI UNIVERSITY			
1R01 ES04941-01	SHOPSIS, CHARLES S	CADMIUM TOXICITY ANTAGONIZED BY DIFFERENTIATION-INDUCERS	87,304
INSTITUTION TOTAL	1	87,304	
CITY TOTAL	1	87,304	
ITHACA			
CORNELL UNIVERSITY ITHACA			
1R01 GM39066-01	BRETSCHER, ANTHONY P	MICROFILAMENTS IN THE YEAST SACCHAROMYCES CEREVISIAE	77,109
1R01 GM39496-01	CALVO, JOSEPH M	UNUSUAL REGION CONTROLLING ILVIH EXPRESSION IN E. COLI	105,844
1R01 HD23922-01	KEIL, FRANK C	CONCEPTS, CAUSATION AND COGNITIVE DEVELOPMENT	49,058
1R29 GM39576-01	KUKI, ATSUO	ELECTRONICALLY ACTIVE AIB HELICES	79,625

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ITHACA			
CORNELL UNIVERSITY ITHACA			
1R01 CA47668-01	PAULI, BENDICHT U	ORGAN-SPECIFIC VASCULAR ARREST OF MALIGNANT CELLS	113,090
1R01 CA48642-01	PAULI, BENDICHT U	CARCINOGENESIS TESTING OF SINTERED POROUS COCRMP IMPLANT	135,519
INSTITUTION TOTAL	6	560,245	
CITY TOTAL	6	560,245	
LAKE PLACID			
W. ALTON JONES CELL SCIENCE CENTER			
1R01 DK38925-01A1	STEVENS, JAMES	NEPHROTOXICITY OF CYSTEINE CONJUGATES	102,100
1R01 GM39604-01	STEVENS, JAMES L	PHARMACOLOGY AND DISPOSITION OF CYSTEINE CONJUGATES	78,688
INSTITUTION TOTAL	2	180,788	
CITY TOTAL	2	180,788	
NEW YORK			
AMERICAN HEALTH FOUNDATION			
1R01 HL40688-01	HALEY, NANCY J	CHOLESTEROL SCREENING--APPLICATION IN A BIRACIAL SETTING	152,504
1R01 CA44161-01A1	HOFFMANN, DIETRICH	BIOASSAY OF SNUFF FOR CARCINOGENIC ACTIVITY IN RATS	97,977
INSTITUTION TOTAL	2	250,481	
BETH ISRAEL MEDICAL CENTER			
1P01 DE08560-01	BARR, CHARLES E	EFFECTS ON SALIVA AND ORAL TISSUES	359,101
INSTITUTION TOTAL	1	359,101	
CITY UNIVERSITY OF NEW YORK--HERBERT H. LEHMAN COLLEGE			
1R01 NS25381-01	JAKINOVICH, WILLIAM	PHYSIOLOGY OF THE SWEET TASTE RESPONSE	66,378
INSTITUTION TOTAL	1	66,378	
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
1R29 DK40154-01	APPLEGATE, DIANNE E	DYNAMIC CONFORMATIONAL CHANGES OF SMOOTH MUSCLE MYOSIN	55,980
1R29 GM39516-01	BECHHOFER, DAVID H	REGULATION OF ERMC MRNA STABILITY	49,163
1R01 DK35356-01A4	EGGENA, PATRICK	VASOTOCIN RECEPTORS	103,990
1R21 AG07027-01	FREIDENBERG, JUDITH	HEALTH-SEEKING BEHAVIOR OF LOW-INCOME ELDERLY HISPANICS	44,501
1R01 CA47630-01	KADISH, ANNA S	HOST IMMUNITY TO GENITAL HUMAN PAPILLOMAVIRUS INFECTION	112,460
1R29 HL40659-01	KOHTZ, DONALD S	GROWTH AND DIFFERENTIATION OF HUMAN CARDIOBLASTS	43,949
1R01 DK39548-01	LAWS, WILLIAM R	BINDING INTERACTIONS OF THE NEUROHYPOPHYSEAL HORMONES	64,336
INSTITUTION TOTAL	7	474,379	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--QUEENS COLLEGE			
1R01 CA47410-01	SZALAY, JEANNE	NEW EXPERIMENTAL MODEL FOR DORMANCY IN BREAST CANCER	104,828
INSTITUTION TOTAL	1	104,828	
COLUMBIA UNIVERSITY--BARNARD COLLEGE			
1R29 HD22751-01A1	MOHLER, JAMES P	GENETICS OF HEDGEHOG & ADJACENT LOCI OF DROSOPHILA	76,344
INSTITUTION TOTAL	1	76,344	
COLUMBIA UNIVERSITY--COLUMBIA UNIVERSITY NEW YORK			
1R29 CA45671-01	BHALLA, KAFIL	DCYD MEDIATED PROTECTION OF MYELOID PROGENITOR CELLS	65,993
1R01 GM39275-01	BRAUNSTEIN, NED S	ANALYSIS OF THE MOUSE MHC AB2 AND EB2 MOLECULES	73,389
1R01 GM34775-01A2	CHALFIE, MARTIN	GENETIC ANALYSIS OF NEURONAL DEGENERATION IN C. ELEGANS	77,798
1R01 HL40404-01	DECKELBAUM, RICHARD J	METABOLISM OF INTRAVENOUS LIPID EMULSIONS	137,467
1R01 NS26073-01	FAHN, STANLEY	VALIDATING ACCELEROMETRIC MEASURES OF PARKINSONISM	77,820
1R01 GM39531-01	MITCHELL, AARON P	GENETIC CONTROL OF ENTRY INTO MEIOSIS IN YEAST	104,131
1R01 NS25524-01	NEUGEBAUER, RICHARD	EPIDEMIOLOGIC STUDY OF STRESS AND SEIZURES	104,712
1R01 CA46778-01	PATEL, DINSHAW J	DNA COMPLEXES--ANTITUMOR DRUGS AND CHEMOTHERAPY	121,837
1P01 GM38125-01A1	SILVERSTEIN, SAUL J	GENETICS OF ANIMAL VIRUS REPLICATION	380,075
1R01 HL38976-01	STEINBERG, SUSAN F	ALPHA 1-ADRENERGIC CATECHOLAMINE ACTIONS IN THE HEART	95,278
1R01 HL39703-01	TABAS, IRA A	ACAT REACTIVITY IN MACROPHAGES	102,615
1R29 EY07556-01	ZAIDI, OASIM	MECHANISMS OF COLOR DETECTION, INDUCTION AND ADAPTATION	52,834
INSTITUTION TOTAL	12	1,393,949	
CORNELL UNIVERSITY MEDICAL CENTER			
1R01 GM40062-01	ANDERSEN, OLAF S	VOLTAGE DEPENDENT SODIUM CHANNELS IN PLANAR LIPID BILAYE	107,278
1R29 CA47207-01	BROWN, ANTHONY M C	ACTION OF THE ONCOGENE INT-1 IN MAMMARY TUMORS	53,165
1R01 HL40795-01	BUSH, HARRY L, JR	EICOSANOIDS AND HEALING OF CAROTID ENDARTERECTOMY	119,966
1R01 AI23807-01A1	GABAY, JOELLE E	O2 INDEPENDENT ANTIMICROBIAL SYSTEMS IN HUMAN	89,198
1R29 DK38757-01A1	GREENBERG, DANIELLE	UPPER GI TRACT MEDIATION OF THE SATIETY EFFECT OF FATS	65,806
1R29 HL40679-01	MAGID, NORMAN M	REGULATION OF CARDIAC MASS IN AORTIC REGURGITATION	55,064
1R01 HL40567-01	PICKERING, THOMAS G	NUCLEAR MEDICINE PROCEDURES IN HYPERTENSION	52,145
1R01 DK38596-01A1	SACKIN, HENRY J	BASOLATERAL K CONDUCTANCE IN THE PROXIMAL TUBULE	93,872
1R01 HD20564-01A2	SAXENA, BRIJ B	BIOCHEMICAL STUDIES ON THE LH-HCG RECEPTOR	73,627
INSTITUTION TOTAL	9	710,121	
JUVENILE DIABETES FOUNDATION INTERNATIONAL			
1R13 DK40434-01	CROFFORD, OSCAR B	SECOND WORLD CONFERENCE ON DIABETES RESEARCH	20,000
1R13 DK40319-01	LAFFERTY, KEVIN J	MEDICAL STUDENT WORKSHOP VII	23,000
INSTITUTION TOTAL	2	43,000	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
MEMORIAL SLOAN-KETTERING CANCER CENTER--MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES			
1R01 NS26064-01	POSNER, JEROME B	STUDIES OF NEUROLOGICAL PARANEOPLASTIC SYNDROMES	132,587
1P01 NS25701-01	PRICE, RICHARD W	AIDS DEMENTIA COMPLEX	742,542
1R29 CA44741-01A1	TELANG, NITIN T	IN VITRO INDUCTION & MODULATION OF MAMMARY PRENEOPLASIA	69,547
INSTITUTION TOTAL 3		944,676	
MEMORIAL SLOAN-KETTERING CANCER CENTER--SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
1R01 CA46845-01	DESCHNER, ELEANOR E	OMEGA-3 FATTY ACIDS--INHIBITORS OF COLON CANCER	86,553
1R29 GM39698-01	LEE, JANET S	HLA CLASS II GENES--REGULATION OF EXPRESSION	86,991
1R01 CA47427-01	LLOYD, KENNETH O	GLYCOLIPIDS DETECTED BY HUMAN MONOCLONAL ANTIBODIES	102,596
1R01 AI26127-01	MACPHAIL, STUART	RECOGNITION OF MLS DETERMINANTS	68,412
1S10 RR04114-01	MELAMED, MYRON R	DUAL LASER FLOW CYTOMETER/CELL SORTER	300,000
1R29 AI26351-01	PALFREE, ROGER	LIPID-ANCHORED HUMAN T-CELL SURFACE ACTIVATION PROTEINS	62,089
1R01 GM39256-01	RAVETCH, JEFFREY V	FC RECEPTOR--MACROPHAGES AND LYMPHOCYTES	109,644
1R01 CA46673-01	SIROTNAK, FRANCIS M	NEW THERAPEUTICS RELATED TO TUMOR CELL FOLATE TRANSPORT	103,097
1R29 NS25563-01	STROTHER, STEPHEN C	OPTIMIZING PETT MEASUREMENTS/BIOLOGICAL IMAGE PATTERNS	59,400
INSTITUTION TOTAL 9		978,782	
MONTEFIORE MEDICAL CENTER			
1P60 HL38655-01	NAGEL, RONALD L	COMPREHENSIVE SICKLE CELL CENTER	1,349,033
1R29 HL41382-01	RYBICKI, ANNE C	HUMAN ERYTHROCYTE PROTEIN 4/2	52,465
1R01 NS26151-01	SHINNAR, SHLOMO	PROGNOSIS OF CHILDREN WITH A FIRST UNPROVOKED SEIZURE	66,084
INSTITUTION TOTAL 3		1,467,582	
NATIONAL KIDNEY FOUNDATION			
1R13 DK40628-01	JULIAN, BRUCE A	NATIONAL SYMPOSIUM ON IGA NEPHROPATHY	10,000
INSTITUTION TOTAL 1		10,000	
NEW YORK ACADEMY OF SCIENCES			
1R13 NS25905-01	BARKAI, AMIRAM I	ARACHIDONIC ACID METABOLISM IN THE NERVOUS SYSTEM	8,000
1R13 AR39144-01	MILSTONE, LEONARD M	CONFERENCE ON NEWLY DESCRIBED KERATINOCYTE FUNCTIONS	15,000
1R13 HL40299-01	WHITTEN, CHARLES F	SICKLE CELL DISEASE	10,000
INSTITUTION TOTAL 3		33,000	
NEW YORK BLOOD CENTER			
1R01 AI24607-01A1	NICHOLS, MARGARET	HUMAN BLOOD GROUP EPITOPES AND DISEASE MECHANISMS	92,152
1R01 CA47600-01	WAINFAN, ELSIE	DIET CANCER AND ONCOGENE EXPRESSION IN INBRED MICE	60,630
INSTITUTION TOTAL 2		152,782	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
NEW YORK STATE OFFICE OF MENTAL HEALTH--NEW YORK STATE PSYCHIATRIC INSTITUTE			
1R01 HD23512-01	ENDICOTT, JEAN	SEVERE PREMENSTRUAL SYNDROMES--RISK/COURSE/MECHANISMS	172,646
INSTITUTION TOTAL	1	172,646	
NEW YORK STATE OFFICE OF MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES--INST BASIC RES DEV			
1R29 NS24720-01A1	BENDHEIM, PAUL E	CONVERSION OF A NORMAL PROTEIN TO THE SCRAPIE PROTEIN	53,827
1R29 NS25308-01	RUBENSTEIN, RICHARD	SCRAPIE AGENT REPLICATION IN AN IN VITRO NEURONAL MODEL	57,202
INSTITUTION TOTAL	2	111,029	
NEW YORK UNIVERSITY			
1R01 NS24698-01A1	ASTON-JONES, GARY S	AFFERENT CONTROL OF LOCUS COERULEUS	129,769
1R29 AR39176-01	BLUMENBERG, MIROSLAV	GENETICS OF INHERITED DISORDERS OF KERATINIZATION	60,900
1R01 NS25882-01	COWAN, NICHOLAS J	ANTIGEN-INDUCED CELL TYPE SPECIFIC TUMORS	100,545
1R01 GM39511-01	JELINEK, WARREN R	GENES CONTROLLING COMMITMENT TO TERMINAL DIFFERENTIATION	100,341
1R01 CA46788-01	KOSLOW, MAXIM	INTRACAVITARY LAK/IL-2 IN BRAIN TUMORS	159,110
1R01 DK39669-01	MARTINIUK, FRANK T	MOLECULAR BIOLOGY OF ACID MALTASE DEFICIENCY	70,875
1R01 CA42229-01A1	MOSCATELLI, DAVID A	PURIFICATION OF BASIC FIBROBLAST GROWTH FACTOR RECEPTOR	85,022
1R01 NS23926-01A2	MUSACCHIO, JOSE M	ANTICONVULSANT BINDING SITES	89,714
1R01 HL39641-01	RUBERMAN, WILLIAM	INTERMITTENT ST DEPRESSION AND PROGNOSIS AFTER MI	263,941
1R01 NS26001-01	SALZER, JAMES L	FUNCTIONAL STUDIES OF MYELIN ASSOCIATED GLYOCPROTEINS	76,901
1R01 ES04242-01A1	SCHLESINGER, RICHARD B	EFFECT OF 03, NO2 & H2SO4 ON LUNG EICOSANOIDS	87,150
1R29 AI24615-01A1	STEWART, MICHAEL J	MOTILITY AND INVASIVENESS OF PLASMODIUM SPOROZIOTES	64,820
1R01 CA47599-01	UNDERWOOD, GRAHAM R	MECHANISTIC STUDIES OF ARYLAMIDE CARCINOGENS	72,160
1R01 CA47304-01	VILCEK, JAN T	REGULATION OF CELL GROWTH AND GENE EXPRESSION BY TNF	129,647
INSTITUTION TOTAL	14	1,490,895	
PUBLIC HEALTH RESEARCH INSTITUTE OF THE CITY OF NEW YORK, INC.			
1R13 AI25354-01	SMITH, ISSAR	TENTH INTERNATIONAL SPORES CONFERENCE	3,000
INSTITUTION TOTAL	1	3,000	
ROCKEFELLER UNIVERSITY			
1R01 GM38274-01A1	CHAIT, BRIAN T	ION BOMBARDMENT MASS SPECTROMETRY OF BIOMOLECULES	128,765
1R01 GM38811-01A1	KAISER, EMIL T	PROTEIN ENGINEERING--PEPTIDE HORMONE DESIGN	95,590
1R01 DK39684-01	LAZAROW, PAUL B	TARGETING PROTEINS TO CANDIDA TROPICALIS PEROXISOMES	101,313
1R01 AR39037-01	ZABRISKIE, JOHN B	BIOLOGICAL STUDIES OF THE BACTERIAL ARTHRITIS MODEL	49,264
INSTITUTION TOTAL	4	374,932	
STATE UNIVERSITY OF NEW YORK--HEALTH SCIENCE CENTER AT BROOKLYN			
1R01 AR37145-01A1	ETLINGER, JOSEPH D	MECHANISM OF DISUSE ATROPHY IN SKELETAL MUSCLE	96,159

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
STATE UNIVERSITY OF NEW YORK--HEALTH SCIENCE CENTER AT BROOKLYN			
1R29 NS26175-01	FUKADA, KEIKO	MECHANISM OF ACTION OF A NEURONAL DIFFERENTIATION FACTOR	78,022
INSTITUTION TOTAL	2	174,181	
YESHIVA UNIVERSITY			
1R01 HL40566-01	BLAUFOX, MORTON D	NUCLEAR MEDICINE PROCEDURES IN HYPERTENSION	128,366
1R29 GM39929-01	BRENOWITZ, MICHAEL DAVID	MECHANISMS OF COOPERATIVE PROTEIN-DNA INTERACTIONS	59,971
1R01 GM38511-01	CONDEELIS, JOHN S	SIGNAL TRANSDUCTION & ACTIN DURING AMOEBOID CHEMOTAXIS	118,251
1R01 GM39353-01	EMMONS, SCOTT W	GENETIC ANALYSIS OF MORPHOGENESIS IN A NEMATODE	87,120
1R29 NS25692-01	MOORE, G WAYNE	PATHOLOGY AND IMMUNOCYTOLOGY OF THE OLIGODENDROCYTE	63,899
1R29 NS26125-01	MORRISON, RICHARD S	FIBROBLAST GROWTH FACTOR--INTERACTIONS WITH CNS NEURONS	51,077
1R01 NS26186-01	MOSKAL, JOSEPH R	GLYCOCONJUGATE CHANGES DURING SYNAPSE FORMATION	103,998
1R01 AI26368-01	WITTNER, MURRAY	TRYPANOSOMA CRUZI--HOST CELL INTERACTIONS	128,733
INSTITUTION TOTAL	8	741,415	
CITY TOTAL	89	10,133,501	
ORANGEBURG			
NEW YORK STATE OFFICE OF MENTAL HEALTH--NATHAN S. KLINE INSTITUTE FOR PSYCHIATRIC RESEARCH			
1R01 NS25950-01	SAPIRSTEIN, VICTOR S	ASSEMBLY OF A NEURAL PLASMA MEMBRANE PROTEOLIPID	83,184
INSTITUTION TOTAL	1	83,184	
CITY TOTAL	1	83,184	
ROCHESTER			
SCIENTIFIC ASSOCIATES, INC.			
1R43 HL38588-01A1	DECAMILLA, JOHN J	MULTIARRHYTHMIA AMBULATORY ECG DATABASE DESIGN	50,000
INSTITUTION TOTAL	1	50,000	
UNIVERSITY OF ROCHESTER			
1S10 RR04136-01	ABRAHAM, GEORGE N	MOLECULAR BIOLOGY FACILITY GRANT	166,000
1R29 EY07344-01	ALBANO, JOANNE E	ADAPTIVE MOTOR LEARNING IN THE SACCADIC SYSTEM	85,932
1R01 GM39309-01	BRYANT, ROBERT G	MAGNETIC RELAXATION CONTROL	86,098
1R29 NS25507-01	CARR, CATHERINE E	CELLULAR MECHANISMS UNDERLYING SOUND LOCALIZATION	74,808
1R01 DK39796-01	CARSTENSEN, EDWIN L	ROLE OF CAVITATION IN LITHOTRIPSY	256,188
1R01 NS25502-01	DELL, GARY S	ROLE OF EXPERIENCE IN LANGUAGE PRODUCTION	41,687
1R01 HL38199-01A1	FAY, PHILIP J	STRUCTURE AND REGULATION OF HUMAN FACTOR VIII	80,113
1P01 NS25778-01	GASH, DON M	NEURAL AND PARANEURAL GRAFTS IN PARKINSONIANS	422,830
1R01 HD22782-01A1	GUILLET, RONNIE	NEONATA THERAPEUTIC CAFFEINE & NEURAL DEVELOPMENT	63,456

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
ROCHESTER			
UNIVERSITY OF ROCHESTER			
1R01 AI25669-01	IGLEWSKI, BARBARA H	ROLE OF EXOENZYME S IN P. AERUGINOSA INFECTIONS	116,249
1R01 GM38645-01A1	LEARY, JAMES F	PRINCIPAL COMPONENT/BIPLOT ANALYSES FOR CELL SORTING	172,399
1R01 HL39260-01	LIANG, CHANG-SENG	MYOCARDIAL PROTEIN KINASE C & B-ADRENOCEPTORS IN CHF	67,142
1R01 HD22187-01A1	MAIMAN, LOIS A	DETERMINANTS OF CHILDHOOD POISON INGESTIONS	89,256
1R01 HL38702-01	MOSS, ARTHUR J	MULTICENTER STUDY OF SILENT MYOCARDIAL ISCHEMIA	843,296
1R01 CA44732-01A1	PARKER, KEVIN J	ULTRASOUND CONTRAST AGENTS FOR DETECTION OF LIVER TUMORS	106,457
1R01 AR38618-01A1	PUZAS, J EDWARD	HUMAN HETEROTOPIC BONE FACTOR	72,292
1R01 HL38426-01A1	SPARKS, CHARLES E	NUTRITIONAL EFFECTS OF SUGARS ON LIVER LIPIDS	100,296
1R01 CA46625-01	ZAIN, SAYEEDA B	C-ABL ONCOGENE IN RADIATION INDUCED THYROID CARCINOMA	105,511
INSTITUTION TOTAL	18	2,950,010	
CITY TOTAL	19	3,000,010	
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
1R29 HL39411-01	BENNETT, WILLIAM D	EFFECTIVENESS OF COUGH IN HEALTH AND DISEASE	67,182
1R01 CA47572-01	BRUGGE, JOAN S	C-SRC PROTO-ONCOGENE PRODUCT IN NEURONS	120,500
1R29 GM39071-01	HARBISON, GERARD S	SOLID-STATE 2D-NMR INVESTIGATION OF DNA & ITS COMPLEXES	66,039
1R21 EY07722-01	LESKE, M CRISTINA	CLINICAL VISION RESEARCH DEVELOPMENT AT STONY BROOK	60,000
1R01 NS25945-01	PRIVES, JOAV M	REGULATION OF SURFACE RECEPTORS IN MUSCLE CELLS	96,496
1R01 HL40368-01	WEIDNER, GERDI	GENDER DIFFERENCES IN CORONARY RISK	31,880
INSTITUTION TOTAL	6	442,097	
CITY TOTAL	6	442,097	
SYRACUSE			
NEW METHODS RESEARCH, INC.			
1R43 GM39626-01	DELAGLIO, FRANK	2D NMR SPECTRA/IMAGING RECONSTRUCTION/PATTERN RECOGNITON	35,975
INSTITUTION TOTAL	1	35,975	
STATE UNIVERSITY OF NEW YORK--HEALTH SCIENCE CENTER AT SYRACUSE			
1R01 NS25683-01	KRIEBEL, MAHLON E	DYNAMICS OF QUANTAL SUBUNIT POOLS OF TRANSMITTER RELEASE	61,799
1S10 RR04228-01	LEMANSKI, LARRY F	REICHERT-JUNG CRYOFRACT 190 WITH CRYOBLOCK I	124,000
1R29 NS26091-01	MEIRI, KARINA F	SIGNAL TRANSDUCTION IN THE NEURONAL GROWTH CONE	71,041
1R29 NS24705-01A1	VALLANO, MARY L	CALMODULIN DEPENDENT KINASE AND SYNAPTIC FUNCTION	62,099
1R01 GM39052-01	WEST, ROBERT W, JR	REPRESSION, ANTIREPRESSION & POSITIVE CONTROL IN YEAST	98,927
INSTITUTION TOTAL	5	417,866	
CITY TOTAL	6	453,841	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
TROY			
RENSSELAER POLYTECHNIC INSTITUTE			
1R01 GM38191-01A1	ROY, ROB J	CLOSED CIRCUIT ANAESTHESIA CONTROLLER & CARDIAC MONITOR	37,187
INSTITUTION TOTAL	1	37,187	
CITY TOTAL	1	37,187	
UTICA			
STATE UNIVERSITY OF NEW YORK--COLLEGE OF TECHNOLOGY AT UTICA-ROME			
1R01 AI25496-01	GOODELL, E WILLIAM	MORPHOGENESIS OF THE MUREIN SACCULUS OF ESCHERICHIA COLI	53,982
INSTITUTION TOTAL	1	53,982	
CITY TOTAL	1	53,982	
STATE TOTAL	153	16,819,611	
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
1R01 NS26595-01	BREESE, GEORGE R	REPEATED ETHANOL WITHDRAWAL AND SEIZURES	126,142
1R01 NS25547-01	FYFFE, ROBERT E	MECHANISMS OF RENSHAW CELL MEDIATED RECURRENT INHIBITION	114,178
1P01 CA42765-01A1	KAUFMAN, DAVID G	CYCLE-DEPENDENT MECHANISMS OF CHEMICAL CARCINOGENESIS	200,000
1R03 DE08500-01	MADISON, SANDRA	MODULATION OF DENTINAL FLUID & NEURONAL RESPONSES	15,000
1R03 DE08617-01	MINSLEY, GLENN E	RADIATION EFFECTS ON TITANIUM IMPLANT OSSEOINTEGRATION	14,987
1R01 HD23755-01	O'RAND, MICHAEL G	SPERM RECOMBINANT ANTIGEN AS AN IMMUNOCONTRACEPTIVE	107,590
1R01 CA42216-01A2	PIANTADOSI, CLAUDE	ANTINEOPLASTIC ALKYLGLYCEROLIPIDS	82,953
1R01 CA44684-01A1	SANDLER, ROBERT S	RISK FACTORS FOR COLON ADENOMAS	82,256
1R29 AI25523-01	STEIN, LEONARD D	ONTOGENY OF THE AUTOIMMUNE B CELL REPERTOIRE IN MAN	64,347
1R01 HD24148-01	SUCHINDRAN, CHIRAYATH M	INFANT MORTALITY IN N C A COMPREHENSIVE STUDY	24,952
1R01 HL40367-01	VAN SCOTT, MICHAEL R	PULMONARY NONCILIATED BRONCHIOLAR EPITHELIAL CELLS	84,728
INSTITUTION TOTAL	11	917,133	
CITY TOTAL	11	917,133	
DURHAM			
DUKE UNIVERSITY			
1R01 NS25738-01	BARTOLOME, JORGE V	CNS NEUROPEPTIDES AND CELL DEVELOPMENT	83,856
1R01 CA46856-01	FLOYD, CAREY E	INVERSE MONTE CARLO RECONSTRUCTION FOR SINGLE PHOTON ECT	144,205
1S10 RR04056-01	JOHNSON, G ALLAN	INTEGRATED IMAGE PROCESSING/ANALYSIS NETWORK	227,000
1R29 GM39696-01	KOHORN, BRUCE D	SORTING OF NUCLEAR CODED CHLOROPLAST PROTEINS	52,848
1R01 AG07469-01	MANTON, KENNETH G	ACTIVE LIFE EXPECTANCY IN OLD AND OLDEST-OLD POPULATIONS	106,153

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
1R01 HL40092-01	PILKINGTON, THEO C	OPTIMIZING DEFIBRILLATION SYSTEMS--MODELS AND EXPERIMENT	141,578
1R01 HL40609-01	PLONSEY, ROBERT	EFFECT OF EXTRACELLULAR SPACE ON CARDIAC PROPAGATION	69,924
1R01 HD23696-01	RUDERMAN, JOAN V	REGULATION OF THE CELL CYCLE IN EARLY EMBRYOS	121,156
1R29 HL39752-01	STEENBERGEN, CHARLES	ROLE OF ELEVATED CA2+ IN MYOCARDIAL ISCHEMIC INJURY	38,525
1R01 HL36046-01A1	URBANIAK, JAMES R	BLOOD NO REFLOW AFTER MICROSURGICAL RECONSTRUCTION	115,606
INSTITUTION TOTAL	10	1,100,851	
CITY TOTAL	10	1,100,851	
GREENSBORO			
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY			
1S07 RR07236-01	WILLIAMSON, ALEX N	BIOMEDICAL RESEARCH SUPPORT GRANT	16,237
INSTITUTION TOTAL	1	16,237	
CITY TOTAL	1	16,237	
RALEIGH			
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH			
1R01 EY07499-01	BENTLEY, PETER J	TRACE ELEMENT NUTRITION OF THE LENS--ZINC	75,144
1R01 GM40023-01	HALL, CAROL K	THEORY OF AQUEOUS TWO-PHASE EXTRACTION	74,890
1R01 NS26681-01	JOHNSTON, ROBERT E	IN VITRO CONSTRUCTION OF ATTENUATED VEE VIRUS MUTANTS	35,000
INSTITUTION TOTAL	3	185,034	
CITY TOTAL	3	185,034	
RESEARCH TRIANGLE PARK			
RESEARCH TRIANGLE INSTITUTE			
1R01 AG07418-01	CARROLL, FRANK I	NEW MUSCARINIC AGENTS--SELECTIVITY OF ACTION	108,062
INSTITUTION TOTAL	1	108,062	
CITY TOTAL	1	108,062	
WINSTON-SALEM			
WAKE FOREST UNIVERSITY			
1R29 HD23847-01	BLOCK, STEVEN M	CONTROL OF LOCAL VASCULAR RESISTANCE IN NEWBORNS	58,784
1R01 HL38964-01A1	CLARKSON, THOMAS B	RANDOMIZED TRIAL OF ESTROGEN-ATHEROSCLEROSIS REGRESSION	283,765
1R29 HL40395-01	JOHNSTON, WILLIAM E	DETERMINANTS OF CANINE RIGHT VENTRICULAR INFARCTION	54,635
1R01 AG07767-01	LANDFIELD, PHILIP W	BIOMARKERS OF BRAIN AGING	110,113

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NORTH CAROLINA			
WINSTON-SALEM			
WAKE FOREST UNIVERSITY			
1S10 RR04004-01	LEWIS, JON C	INTERMEDIATE VOLTAGE ELECTRON MICROSCOPE	300,000
1R01 AI25836-01	MIZEL, STEVEN B	INTERLEUKIN 1 SYNTHESIS AND SECRETION	116,811
1R01 GM40215-01	POLLOK, BRIAN	BIOLOGICAL ROLE OF COORDINATE CONTROL IN IG BIOSYNTHESIS	80,552
1R29 HL39440-01	REYNOLDS, GARY D	C-REACTIVE PROTEIN IN ATHEROSCLEROSIS	58,886
1R01 HL39789-01	SHIVELY, CAROL A	SOCIAL STATUS AND ATHEROSCLEROSIS IN FEMALES	74,518
1R01 AG07752-01	SONNTAG, WILLIAM E	GROWTH HORMONE & GH-DEPENDENT BIOMARKERS OF AGING	78,607
1R01 EY07616-01	TYTELL, MICHAEL	RETINAL PROTECTION FROM LIGHT DAMAGE BY HYPERTHERMIA	72,201
INSTITUTION TOTAL	11	1,288,872	
CITY TOTAL	11	1,288,872	
STATE TOTAL	37	3,616,189	
OHIO			
AKRON			
UNIVERSITY OF AKRON			
1R29 AG07597-01	STULL, DONALD E	CARING FOR ELDERS--IMPACT OF SOCIAL SUPPORT AND BURDEN	57,881
INSTITUTION TOTAL	1	57,881	
CITY TOTAL	1	57,881	
CINCINNATI			
CHILDREN'S HOSPITAL MEDICAL CENTER			
1R01 HL39874-01	CLARK, LELAND C, JR	PHYSIOLOGY OF FLUOROCARBON OXYGEN TRANSPORT	122,234
INSTITUTION TOTAL	1	122,234	
CHRIST HOSPITAL--JAMES N. GAMBLE INSTITUTE OF MEDICAL RESEARCH			
1R01 AI26256-01	GALINSKI, MARK S	ANALYSIS OF PARAINFLUENZA 3 VIRUS MEDIATED FUSION	86,112
1R01 NS22969-01A2	KELLER, JEFFREY T	VASOMOTOR REFLEX--ANATOMICAL/IMMUNOCYTOCHEMICAL	66,342
INSTITUTION TOTAL	2	152,454	
UNIVERSITY OF CINCINNATI AT CINCINNATI			
1R29 GM38601-01A1	BALASUBRAMANIAM, AMBIKAIPAKA	SYNTHESIS OF PEPTIDES RELATED TO APY, NPY & PYY	57,649
1R01 CA45233-01A1	BRACKENBURY, ROBERT W	CELL-CELL INTERACTIONS IN MALIGNANCY	88,134
1R01 AG04970-01A4	NORMAN, ERIC J	EARLY URINE B12 DEFICIENCY DETECTION IN ELDERLY	136,031
1R01 AI26145-01	RHODES, JUDITH C	ASPERGILLUS ELASTASE, A POTENTIAL VIRULENCE FACTOR	62,611
1R01 NS25647-01	SANBERG, PAUL R	NEURAL TRANSPLANTS, BEHAVIOR & HUNTINGTON'S MODEL	79,691
1R01 GM39622-01	STRINGER, JAMES R	LEISHMANIA PROTON PUMP--GENES AND PROTEINS	125,828

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO			
CINCINNATI			
UNIVERSITY OF CINCINNATI AT CINCINNATI			
1R01 NS25879-01	THOMPSON, RICHARD L	FUNCTIONAL AND MOLECULAR ANALYSIS OF HSV TISSUE TROPISMS	112,433
1R29 AR39423-01	WIECZOREK, DAVID F	REGULATION OF ALTERNATIVE RNA SPLICING IN A-TROPOMYOSIN	65,085
INSTITUTION TOTAL 8		727,462	
CITY TOTAL 11		1,002,150	
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
1R01 NS25557-01	ACHESON, ANN L	BIOCHEMICAL CONSEQUENCES OF CELL-CELL CONTACT	49,677
1R01 HL39012-01A1	DOUGLAS, JANICE G	ANG RECEPTORS AND ACTIONS ON KIDNEY EPITHELIAL CELLS	180,482
1R22 AI24298-01A1	ELLNER, JERROLD J	PROTECTIVE/DIAGNOSTIC RECOMBINANT MYCOBACTERIAL ANTIGENS	116,538
1R03 RR04288-01A1	FOUKE, JANIE M	SENSOR ESTIMATING MUSCLE BLOOD FLOW IN THE AIRWAY WALL	24,570
1R01 HL37525-01A1	HARRIS, JOHN W	BAND 3 N-TERMINAL AA 10-16 AND DEOXY S POLYMERIZATION	71,356
1R01 CA46613-01	KUNG, HSING-JIEN	ONCOGENE ACTIVATION IN AVIAN B & T LYMPHOMA	119,529
1R29 HL40047-01	MARCHANT, ROGER E	NEW BIOMEDICAL INTERFACE MATERIALS	57,986
1R01 GM39419-01	MAURER, RUSSELL A	MUTATIONAL MECHANISMS AT REPLICATION FORKS IN BACTERIA	100,196
1R01 NS25597-01	MILLER, ROBERT H	ROLE OF ASTROCYTE DIVERSITY IN CNS AXONAL GROWTH	91,530
1R01 AG07552-01	PERRY, GEORGE	AMYLOID PRECURSOR IN ALZHEIMER DISEASE	52,286
1R29 HL38986-01A1	PRABHAKAR, NANDURI R	TACHYKININS & ARTERIAL CHEMORECEPTOR EXCITATION	58,736
1R01 CA47264-01	RESNICK, MARTIN I	PROSTATE ULTRASONOGRAPHY AND BIOCHEMICAL PROFILE	76,807
1R01 NS25713-01	RUDGE, JOHN S	FACTORS AFFECTING REGENERATION THROUGH THE GLIAL SCAR	53,756
1R03 RR04280-01	SAIDEL, GERALD M	OPTIMAL DESIGN OF THERMAL DEVICE FOR SKIN PERFUSION	25,000
1R01 GM34294-01A5	SAYRE, LAWRENCE M	METAL ION CATALYSIS OF AMIDE HYDROLYSIS	42,836
1R29 HL38296-01A1	VEILLE, JEAN-CLAUDE L	CARDIOVASCULAR CHANGES IN GROWTH RETARDED FETUSES	59,950
INSTITUTION TOTAL 16		1,181,235	
CLEVELAND CLINIC FOUNDATION			
1R29 HL38535-01A1	DIZ, DEBRA I	ANGIOTENSIN II BINDING SITES AND FUNCTION IN THE MEDULLA	15,539
1R29 HL40352-01	FOX, PAUL LOUIS	MARINE LIPIDS AND ENDOTHELIAL CELLS IN ATHEROSCLEROSIS	68,040
1R01 HD23925-01	HUSAIN, AHSAN	ANGIOTENSIN II--INTRAVARIAN REGULATORY PEPTIDE	82,001
1R01 CA47227-01	NG, THIAN C	NMR STUDIES OF HETEROGENEITY & RADIORESISTANCE OF TUMORS	115,539
INSTITUTION TOTAL 4		281,119	
CITY TOTAL 20		1,462,354	
COLUMBUS			
BATTELLE MEMORIAL INSTITUTE			
1R29 GM40117-01	DLUHY, RICHARD A	IN-SITU INFRARED ANALYSIS OF BIOMEMBRANE MONOLAYERS	55,477
INSTITUTION TOTAL 1		55,477	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO			
COLUMBUS			
OHIO STATE UNIVERSITY			
1R01 HD23352-01	ALLRED, JOHN B	BIOTIN ENZYMES IN SUDDEN INFANT DEATH SYNDROME TISSUE	28,135
1R29 GM38261-01A1	BLACK, SHAUN D	STRUCTURE, FUNCTION, & DYNAMICS OF P-450 CYTOCHROMES	74,595
1R01 CA47298-01	BLUE, THOMAS E	BNCT ACCELERATOR TARGET ASSEMBLY DESIGN AND TESTING	53,114
1R29 GM39498-01	BREITENBERGER, CAROLINE A	TARGETING OF ORGANELLAR PROTEIN SYNTHESIS FACTORS	81,404
1R01 AI24676-01A1	FERGUSON, RONALD M	PRE- AND POST-OPERATIVE T CELL FUNCTION	107,193
1R01 AR38917-01A1	HILLE, CHARLES R	MECHANISTIC STUDIES OF XANTHINE OXIDASE	103,083
1R01 ES04623-01	MILO, GEORGE E	B A P METABOLISM & MODIFICATION OF DNA IN SKIN XENOGRAFT	89,994
1R29 DK39647-01	PALMER, JEFFREY M	MECHANISM OF GI MOTOR DISTURBANCES IN ENTERIC PARASITISM	59,154
1R29 NS25708-01	WHITEHEAD, MARK C	GUSTATORY SYSTEM--CELLULAR AND SYNAPTIC ORGANIZATION	66,587
INSTITUTION TOTAL	9	663,259	
CITY TOTAL	10	718,736	
DAYTON			
WRIGHT STATE UNIVERSITY			
1R01 AR39297-01	HULL, BARBARA E	TRANSPLANTATION OF ALLOGENEIC SKIN EQUIVALENTS	43,820
INSTITUTION TOTAL	1	43,820	
CITY TOTAL	1	43,820	
ROOTSTOWN			
NORTHEASTERN OHIO UNIVERSITIES COLLEGE OF MEDICINE			
1R01 NS25895-01	CRUCE, WILLIAM L	EVOLUTION OF THE RETICULAR FORMATION	45,071
1R01 NS26053-01	VONEIDA, THEODORE J	CENTRAL NERVOUS SUBSTRATES OF CONDITIONED LEARNING	34,589
1R29 NS24814-01A1	YAMAMOTO, BRYAN K	STRIATAL SUBREGION SYSTEMS AND LOCOMOTION	47,600
INSTITUTION TOTAL	3	127,260	
CITY TOTAL	3	127,260	
TOLEDO			
MEDICAL COLLEGE OF OHIO AT TOLEDO			
1R01 CA47484-01	SCHUT, HERMAN A	CARCINOGENESIS OF HETEROCYCLIC AMINES	89,255
INSTITUTION TOTAL	1	89,255	
UNIVERSITY OF TOLEDO			
1S07 RR07237-01	FUNK, MAX O	BIOMEDICAL RESEARCH SUPPORT GRANT	10,235
1R29 GM41116-01	JOHNSON, KEITH R	MYLEOPEROXIDASE--ANALYSIS OF NORMAL & DEFICIENT STATES	62,500
1R01 NS25765-01	MESSER, WILLIAM S, JR	SUBTYPE OF SELECTIVITY & MUSCARINIC RECEPTOR REGULATION	44,968
INSTITUTION TOTAL	3	117,703	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	4	206,958	
STATE TOTAL	50	3,619,159	
OKLAHOMA			
NORMAN			
UNIVERSITY OF OKLAHOMA NORMAN			
1R29 GM40196-01	WHITE, ROBERT L	MATRIX ISOLATION INFRARED SPECTROSCOPY OF MASS IONS	155,403
INSTITUTION TOTAL	1	155,403	
CITY TOTAL	1	155,403	
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
1R01 HD20511-01A3	ABELL, TROY D	FAMILY STRUCTURE AND FUNCTION ON IUGR AND PREMATURITY	237,590
INSTITUTION TOTAL	1	237,590	
CITY TOTAL	1	237,590	
STILLWATER			
OKLAHOMA STATE UNIVERSITY STILLWATER			
1R01 AI26158-01	SAUER, JOHN R	SALIVARY SECRETION IN A BLOOD-SUCKING ARTHROPOD	74,411
1R29 GM39479-01	ZUBER, PETER A	REGULATION OF SPORULATION-ASSOCIATED GENE TRANSCRIPTION	65,788
INSTITUTION TOTAL	2	140,199	
CITY TOTAL	2	140,199	
STATE TOTAL	4	533,192	
OREGON			
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON			
1R01 GM37543-01A1	BAJER, ANDREW S	PARTICLE TRANSPORT DURING MITOSIS	91,233
INSTITUTION TOTAL	1	91,233	
CITY TOTAL	1	91,233	
HILLSBORO			
FEI COMPANY			
1R43 GM40250-01	SWANSON, LYNWOOD W	ULTRA SENSITIVE SECONDARY ION MASS SPECTROMETRY-ORGANICS	29,501
INSTITUTION TOTAL	1	29,501	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	29,501	
OREGON			
PORTLAND			
MEDICAL RESEARCH FOUNDATION OF OREGON			
1R01 HD24870-01	OJEDA, SERGIO R	NEURAL CONTROL OF THE PREPUBERTAL OVARY	97,981
INSTITUTION TOTAL	1	97,981	
MORRISON CENTER FOR YOUTH AND FAMILY SERVICES			
1R01 HD23786-01	WOLF, DON P	PRIMATE SPERM ANTIGENS AS IMMUNOCONTRACEPTIVE VACCINES	88,755
INSTITUTION TOTAL	1	88,755	
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON HEALTH SCIENCES UNIVERSITY			
1R29 AG07424-01	ECKENSTEIN, FELIX P	NEUROTROPHIC SUPPORT IN AGING & ALZHEIMER'S DISEASE	61,383
1R01 NS23927-01A2	GALLAHER, EDWARD J	GENETIC SELECTION FOR BENZODIAZEPINE SENSITIVITY	93,704
1R01 NS25370-01	LITT, MICHAEL	NEUROLOGICAL DISEASE GENE MAPPING DNA EPIOSODIC	105,942
1R01 CA47404-01	MAGUN, BRUCE E	EGF TGFB CONTROL OF SECOND MESSENGERS & TRANSCRIPTION	179,963
1R29 GM39862-01	MORRIS, NICHOLAS P	SELF ASSEMBLY OF TYPE IX COLLAGEN	54,072
1R29 CA46683-01	SPARKS, RODNEY L	DIFFERENTIATION CONTROL IN NORMAL & TRANSFORMED CELLS	62,708
1R01 NS25996-01	SURPRENANT, ANNMARIE	INTESTINAL ION TRANSPORT--SUBMUCOUS NEURONS	112,062
1S07 RR07238-01	WEBER, ECKARD	BIOMEDICAL RESEARCH SUPPORT GRANT	54,836
1R29 GM39586-01	WILKINSON, MILES F	REGULATION OF T-CELL RECEPTOR GENE EXPRESSION	73,164
INSTITUTION TOTAL	9	797,834	
PROVIDENCE MEDICAL CENTER			
1S07 RR06002-01	GILBERT, DAVID N	BIOMEDICAL RESEARCH SUPPORT GRANT	16,879
INSTITUTION TOTAL	1	16,879	
CITY TOTAL	12	1,001,449	
STATE TOTAL	14	1,122,183	
PENNSYLVANIA			
DANVILLE			
GEISINGER FOUNDATION--GEISINGER MEDICAL CENTER			
1S07 RR05996-01	MORGAN, HOWARD E	BIOMEDICAL RESEARCH SUPPORT GRANT	23,124
INSTITUTION TOTAL	1	23,124	
CITY TOTAL	1	23,124	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
1R01 AI25775-01	GOLDMAN, MARGARET B	MECHANISMS OF IMMUNE REGULATION OF MACROPHAGE PRODUCTS	104,592
1R29 HL39872-01	PAE, WALTER E, JR	ASSIST PUMPING IN MYOCARDIAL INFARCTION AND SHOCK	53,309
INSTITUTION TOTAL	2	157,901	
CITY TOTAL	2	157,901	
PHILADELPHIA			
ALBERT EINSTEIN MEDICAL CENTER			
1R01 HD23511-01	HEYNER, SUSAN	ONTOGENY AND FUNCTION OF INSULIN BINDING TO EARLY EMBRYO	113,978
INSTITUTION TOTAL	1	113,978	
CHILDREN'S HOSPITAL OF PHILADELPHIA			
1R01 DK39348-01	NISSIM, ITZHAK	HEPATIC UREAGENESIS--STUDIES WITH 15-N GC-MS AND 13C NMR	79,326
1P60 HL38632-01	SCHWARTZ, ELIAS	COMPREHENSIVE SICKLE CELL CENTER	908,521
INSTITUTION TOTAL	2	987,847	
HAHNEMANN UNIVERSITY			
1S07 RR07241-01	ANGELAKOS, EVANGELOS T	BIOMEDICAL RESEARCH SUPPORT GRANT	75,266
1R01 NS25519-01	BLANKENHORN, ELIZABETH P	MOLECULAR AND GENETIC STUDIES OF EAE IN COISOGENIC RATS	67,249
INSTITUTION TOTAL	2	142,515	
MEDICAL COLLEGE OF PENNSYLVANIA			
1R01 AR39382-01	BOMALASKI, JOHN S	RHEUMATOID ARTHRITIS PHOSPHOLIPASES AND INFLAMMATION	52,696
1R01 AG07700-01	FRIEDMAN, EITAN	AGING, PROTEIN KINASE C AND SEROTONIN RELEASE	60,749
1R01 AG07719-01	MURASKO, DONNA M	IMMUNE AND NEUROLOGIC PARAMETERS AS BIOMARKERS OF AGING	86,071
INSTITUTION TOTAL	3	199,516	
PHILADELPHIA GERIATRIC CENTER-FRIEDMAN HOSPITAL OF HOME FOR JEWISH AGED			
1R01 AG07050-01	RUBINSTEIN, ROBERT L	LIFESTYLES AND GENERATIVITY OF CHILDLESS OLDER WOMEN	128,902
INSTITUTION TOTAL	1	128,902	
TEMPLE UNIVERSITY			
1R29 NS26400-01	COSLETT, HARRY B	ATTENTIONAL PROCESSES IN DISORDERS OF VISUAL PERCEPTION	39,768
1R01 HD23823-01	HILLMAN, NINA W	EFFECTS OF H-2 HAPLOTYPES ON TROPHECTODERM DEVELOPMENT	100,834
1S10 RR04040-01	MAYO, KEVIN H	500 MHZ NMR SHARED FACILITY	273,000
INSTITUTION TOTAL	3	413,602	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PHILADELPHIA			
THOMAS JEFFERSON UNIVERSITY			
1R01 HL38103-01A1	JARRELL, BRUCE E	HUMAN ENDOTHELIAL CELL INTERACTION WITH INJURED VESSELS	89,785
1R01 HL38370-01A1	REIBEL, DIANE K	ALTERED MEMBRANE PHOSPHOLIPIDS AND CARDIAC FUNCTION	102,595
1R01 DK37598-01A1	SIEGMAN, MARION J	FUNCTIONAL ADAPTATIONS OF INTESTINAL SMOOTH MUSCLE	147,344
1R29 DK38422-01A1	THOMAS, ANDREW P	HORMONAL CALCIUM MOBILIZATION--REGULATION IN LIVER	59,379
INSTITUTION TOTAL	4	399,103	
UNIVERSITY CITY SCIENCE CENTER			
1R29 GM39612-01	BUNKER, GRANT B	STUDIES OF THE IRON SITE OF RIBONUCLEOTIDE REDUCTASE	90,944
INSTITUTION TOTAL	1	90,944	
UNIVERSITY OF PENNSYLVANIA			
1P01 HL40387-01	BENNETT, JOEL S	REGULATION OF PLATELET AND ENDOTHELIAL CELL FUNCTION	983,727
1R01 AR39334-01	BLACK, JONATHAN	METAL RELEASE BY TOTAL REPLACEMENT PROSTHESES	111,969
1R01 AI25366-01	BRINSTER, RALPH L	IMMUNOLOGICAL TOLERANCE IN TRANSGENIC MICE	123,287
1R37 HD23657-01	BRINSTER, RALPH L	MALE GERM CELL DEVELOPMENT IN TRANSGENIC MICE	97,310
1R01 DK40145-01	CIVAN, MORTIMER M	NA+ TRANSPORT REGULATION BY PROTEIN KINASE C/INSULIN	86,342
1R01 HL39775-01	FISHMAN, ALFRED P	NEURAL CONTROL OF VENTILATION AND AROUSAL	109,173
1R01 HD22899-01A1	GERTON, GEORGE L	ACROSOMAL ENZYME BIOSYNTHESIS BY MAMMALIAN SPERMATIDS	84,279
1R01 NS25642-01	GONZALEZ-SCARANO, FRANCISCO	HIV INFECTION OF CULTURED HUMAN NEURAL CELLS	97,705
1R01 NS25921-01	HACKNEY, DAVID	MAGNETIC RESONANCE IMAGING OF SPINAL CORD INJURY	82,766
1R01 GM39359-01	IKEDA-SAITO, MASAO	CYTOCHROME OXIDASE INTERMEDIATES	79,737
1R01 GM39500-01	KAPLAN, JACK H	LOCALIZATION OF LIGAND INTERACTIONS WITH THE SODIUM	163,929
1R01 GM40186-01	KAUFFMAN, STUART A	ADAPTIVE EVOLUTION OF NOVEL FUNCTIONAL PEPTIDES	118,755
1R01 CA46830-01	MUSCHEL, RUTH J	METASTASIS ONCOGENES AND EXPERIMENTAL PATHOLOGY	84,365
1R01 AI24122-01A1	NACHAMKIN, IRVING	IMMUNOBIOLOGY OF CAMPYLOBACTER JEJUNI	87,025
1R01 DK38964-01A1	REYNOLDS, JAMES C	NEUROPEPTIDE CONTROL OF ENTERIC SPHINCTERS	84,890
1R01 NS25581-01	SELZER, MICHAEL E	GROWTH CONE GUIDANCE IN THE SPINAL CORD	91,100
INSTITUTION TOTAL	16	2,486,359	
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY			
1R01 HL39023-01A1	BUCK, CLAYTON A	VASCULAR DEVELOPMENT IN THE EARLY EMBRYO	122,538
1R01 NS26119-01	MC MORRIS, F ARTHUR	OLIGODENDROCYTE GENE EXPRESSION IN IMMORTALIZED CLONES	94,053
1S10 RR03997-01	SPEICHER, DAVID W	PROTEIN SEQUENCER/AMINO ACID ANALYZER	73,000
1R01 CA44466-01A1	WEINMANN, ROBERTO	ONCOGENE E1A INDUCED TRANSACTIVATION	96,025
INSTITUTION TOTAL	4	385,616	
CITY TOTAL	37	5,348,382	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PITTSBURGH			
ALLEGHENY HEALTH SERVICES, INC.--ALLEGHENY-SINGER RESEARCH INSTITUTE			
1R01 HL40525-01	CANO, GERALD G	HIDDEN MARKOV MODELS IN HOLTER RECORD ANALYSIS	49,719
1R01 HL38078-01A1	MAGOVERN, GEORGE J	PACED CONDITIONED MUSCULAR FLAPS FOR CARDIAC ASSISTANCE	125,466
INSTITUTION TOTAL	2	175,185	
CARNEGIE-MELLON UNIVERSITY			
1R01 GM39461-01	BOTHNER-BY, AKSEL A	MAGNETIC SUSCEPTIBILITY TENSORS OF PEPTIDES AND PROTEINS	83,959
1R29 GM39334-01	IMPERIALI, BARBARA	SPECIFICITY IN CO POST TRANSLATION MODIFICATION	68,426
1R01 HD23998-01	MACWHINNEY, BRIAN J	COMPUTATIONAL ANALYSIS OF CHILD LANGUAGE TRANSCRIPT DATA	106,129
INSTITUTION TOTAL	3	258,514	
EYE AND EAR HOSPITAL OF PITTSBURGH			
1R29 NS25700-01	FURMAN, JOSEPH M	VESTIBULOCULAR FUNCTION IN NEUROLOGICAL DISORDERS	50,941
1R03 EY07661-01	MANDARINO, LAWRENCE J	FUEL SELECTION IN RETINAL MICROVESSELS	24,788
1R21 EY07660-01	THOFT, RICHARD A	CLININCAL VISION RESEARCH CENTER	60,000
INSTITUTION TOTAL	3	135,729	
UNIVERSITY OF PITTSBURGH AT PITTSBURGH			
1R29 HL40489-01	CAULEY, JANE A	EPIDEMIOLOGY--APO-PROTEIN/LIPO-PROTEINS IN ELDERLY WOMEN	59,759
1R29 CA47165-01	DAHL, CAROL ANN	ROLE OF NK AND NK/T SPECIFIC PRODUCTS IN NK FUNCTION	58,565
1R01 HL41811-01	DAVIES, PAUL	LUNG PERICYTE-MATRIX INTERACTION IN HYPOXIC HYPERTENSION	76,557
1R01 GM39825-01	DOWD, PAUL	NOVEL RING-ENLARGEMENT CHAIN-EXTENSION REACTION	73,197
1S10 RR04146-01	HOFMANN, KLAUS H	SYSTEM FOR AUTOMATED PEPTIDE SYSTHESIS AND PURIFICATION	142,000
1R01 AG07591-01	KOZIKOWSKI, ALAN P	AGENTS FOR THE TREATMENT OF MEMORY & LEARNING DISORDERS	117,513
1R01 NS25543-01	LAGENAUR, CARL F	SURFACE RECEPTORS IN AXON FASCICULATION AND REGENERATION	105,736
1P01 AG06836-01A1	MONK, TIMOTHY H	AGING, TEMPERATURE & SLEEP--CYCLIC REGULATORY MECHANISMS	401,014
1R01 HL39588-01	OBRIST, WALTER D	CBF AND NEUROLOGICAL FUNCTION IN HEART TRANSPLANTS	81,839
1R01 CA46547-01	PIPAS, JAMES M	ISOLATION OF ONCOGENES BY SELECTION IN DEFINED MEDIA	91,170
1R29 GM39593-01	ROGERS, ALAN R	STRUCTURED EMIGRATION AND GENETIC POPULATION DIFFERENCES	43,674
1R01 DK39629-01	RYAN, CHRISTOPHER M	NEUROBEHAVIORAL COMPLICATIONS IN TYPE I DIABETIC ADULTS	78,942
1R01 CA48539-01	THARP, MICHAEL D	RODENT AND HUMAN SKIN MAST CELL CYTOTOXICITY	89,691
1R01 CA46283-01	VAN DYKE, TERRY A	SV40 T ANTIGEN MEDIATED ONCOGENESIS IN TRANSGENIC MICE	91,581
INSTITUTION TOTAL	14	1,511,238	
CITY TOTAL	22	2,080,666	
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY AT UNIVERSITY PARK			
1R29 HL40696-01	FRANGOS, JOHN A	SHEAR STRESS ACTIVATION OF ENDOTHELIAL MEMBRANE FUNCTION	55,606

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY AT UNIVERSITY PARK			
1R01 HL40394-01	MC INERNEY, JOSEPH J	NONINVASIVE EVALUATION OF CORONARY BYPASS GRAFT PATENCY	103,241
1S10 RR04215-01	MINARD, ROBERT D	ACQUISITION OF MASS SPECTROMETER & FAB-MS	145,000
1R01 CA47333-01	SHALLOWAY, DAVID I	INTERACTION OF SRC AND OTHER PROTEINS IN TRANSFORMATION	89,591
1R29 DK40242-01	WOJCHOWSKI, DON M	BIOCHEMISTRY OF THE ERYTHROPOIETIN RECEPTOR	69,879
INSTITUTION TOTAL 5		463,317	
CITY TOTAL 5		463,317	
STATE TOTAL 67		8,073,390	
RHODE ISLAND			
KINGSTON			
GORDON RESEARCH CONFERENCES			
1R13 DK40023-01	BORNSTEIN, PAUL	GORDON RESEARCH CONFERENCE BASEMENT MEMBRANES	6,000
1R13 CA48592-01	HUTCHINSON, FRANKLIN	GORDON RESEARCH CONFERENCE ON MUTAGENESIS, 1988	5,000
1R13 AG07131-01	JOSEPH, JAMES A	GORDON RESEARCH CONFERENCES ON THE BIOLOGY OF AGING	25,000
1R13 GM39801-01	SMITH, JANET L	DIFFRACTION METHODS IN MOLECULAR BIOLOGY	10,000
INSTITUTION TOTAL 4		46,000	
UNIVERSITY OF RHODE ISLAND			
1R29 GM38040-01A1	OKUDA, ROY K	HALOPEROXIDASES & HALOGENATED MARINE NATURAL PRODUCTS	68,957
1R13 GM40152-01	SPUDICH, JOHN L	GORDON CONFERENCE SENSORY TRANSDUCTION--MICROORGANISMS	2,000
INSTITUTION TOTAL 2		70,957	
CITY TOTAL 6		116,957	
PROVIDENCE			
BROWN UNIVERSITY			
1R29 NS26159-01	AEBISCHER, PATRICK	NERVE REGENERATION THROUGH SYNTHETIC GUIDANCE CHANNELS	55,033
1R01 NS25983-01	CONNORS, BARRY W	CELLULAR PHYSIOLOGY OF NEURONAL CIRCUITS IN NEOCORTEX	80,822
1R01 GM39614-01	SUGGS, JOHN W	CYCLOMETALLATED DNA NUCLEASES	65,450
INSTITUTION TOTAL 3		201,305	
RHODE ISLAND HOSPITAL			
1R01 NS26137-01	BEREITER, DAVID A	TRIGEMINAL CONTROL OF ADRENAL AUTONOMIC FUNCTION	73,611
INSTITUTION TOTAL 1		73,611	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
RHODE ISLAND			
PROVIDENCE			
WOMEN AND INFANTS HOSPITAL OF RHODE ISLAND			
1S07 RR05993-01	OH, WILLIAM	BIOMEDICAL RESEARCH SUPPORT GRANT	11,849
INSTITUTION TOTAL	1	11,849	
CITY TOTAL	5	286,765	
STATE TOTAL	11	403,722	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
1R01 HL38185-01A1	CARABELLO, BLASE A	CONTRACTILITY IN EXPERIMENTAL VOLUME OVERLOAD	79,366
1R01 EY07543-01	CORSON, DAVID WESLEY	QUANTAL EVENTS IN VISUAL TRANSDUCTION	86,969
1R01 DK38441-01A1	FRAWLEY, LEO S	PURIFICATION AND PHYSIOLOGIC ROLE OF A LIVER LACTOGEN	109,412
1R01 NS25545-01	HSU, CHUNG Y	THERAPEUTIC TRIALS IN A STROKE MODEL	48,796
1R01 CA43941-01A1	TSANG, KWONG-YOK	HUMAN MCABS TO HUMAN OSTEOSARCOMA-ASSOCIATED ANTIGENS	52,339
1R29 DK39023-01A1	WILLIAMS, JAMES C, JR	VOLUME ABSORPTION IN THE RENAL PROXIMAL TUBULE	78,855
INSTITUTION TOTAL	6	455,737	
CITY TOTAL	6	455,737	
COLUMBIA			
UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA			
1R01 GM39287-01	DAWSON, JOHN H	CHEMICAL MODELS FOR BIOLOGICAL ELECTRON TRANSFER	72,668
1R01 AG06806-01	KIRASIC, KATHLEEN C	AGING, COGNITIVE PROCESSING, AND LEARNING ABILITIES	57,069
1R01 GM39049-01	PRUSS, GAIL J	REGULATION OF DNA SUPERCOILING IN BACTERIA	82,301
INSTITUTION TOTAL	3	212,038	
CITY TOTAL	3	212,038	
STATE TOTAL	9	667,775	
SOUTH DAKOTA			
VERMILLION			
UNIVERSITY OF SOUTH DAKOTA			
1R01 AR37946-01A1	WASHBURN, LEIGH R	IMMUNE RESPONSE IN MYCOPLASMA-INDUCED ARTHRITIS	44,322
INSTITUTION TOTAL	1	44,322	
CITY TOTAL	1	44,322	
STATE TOTAL	1	44,322	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE			
KNOXVILLE			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE			
1R01 GM39081-01	KABALKA, GEORGE W	METALLO-ORGANIC POLYMERS FOR LABELING PHARMACEUTICALS	85,538
1R01 GM40183-01	STACEY, GARY	GENETICS OF HOST-SPECIFIC INFECTION BY RHIZOBIA	101,374
1R01 GM39708-01	THOMASON, MICHAEL G	STRUCTURAL PATTERN ANALYSIS OF HUMAN G-BANDED CHROMOSOME	25,121
INSTITUTION TOTAL	3	212,033	
CITY TOTAL	3	212,033	
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL			
1R01 CA43237-01A2	GOORHA, RAKESH M	GENE REARRANGEMENT AND EXPRESSION IN T-CELL LEUKEMIA	86,217
1R29 HL40603-01	RETTENMIER, CARL W	CSF-1 GROWTH FACTOR	59,151
1R01 HL40560-01	ROCK, CHARLES O	BIOCHEMISTRY OF PLATELET PHOSPHOLIPASE C	52,199
INSTITUTION TOTAL	3	197,567	
STATE UNIVERSITY AND COMMUNITY COLLEGE SYSTEM OF TENNESSEE--MEMPHIS STATE UNIVERSITY			
1R01 HD21736-01A1	HOUTS, ARTHUR C	PHARMACOLOGICAL AND BEHAVIORAL TREATMENT FOR ENUREISIS	121,629
INSTITUTION TOTAL	1	121,629	
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
1R01 AR38540-01A1	BHATTACHARYA, SYAMAL K	REGULATION OF MEMBRANE MEDIATED MUSCLE DEGENERATION	84,598
1S07 RR05994-01	DABBOUS, MUSTAFA K	BIOMEDICAL RESEARCH SUPPORT GRANT	6,828
1R01 AI24279-01A2	HOFFMAN, PAUL S	DISULFIDE SURFACE STRUCTURE IN LEGIONELLA PATHOGENESIS	80,467
1R01 HL40665-01	KENNEDY, THOMAS P	BIOCHEMICAL MECHANISMS OF REPERFUSION LUNG INJURY	111,664
1R01 NS25783-01	KITA, HITOSHI	PHYSIOLOGY & ANATOMY OF EXTRAPYRAMIDAL SYSTEM	78,272
1R29 GM38530-01A1	KOTB, MALAK	T LYMPHOCYTE DIFFERENTIATION:ROLE OF ADENOXYLMETHIONINE	56,954
1R01 NS26185-01	LAW, PETER K	HISTOINCOMPATIBLE MYOBLAST INJECTION AGAINST DYSTROPHY	100,623
1R29 CA44890-01A1	SWEATMAN, TREVOR W	PHARMACOLOGY OF NEW INTRAVESICAL THERAPEUTICS	56,880
INSTITUTION TOTAL	8	576,286	
CITY TOTAL	12	895,482	
NASHVILLE			
MEHARRY MEDICAL COLLEGE			
1R13 AI26129-01	HILL, GEORGE C	FIFTH ANNUAL TROPICAL DISEASES SYMPOSIUM	16,000
1P60 HL38737-01	TURNER, ERNEST A	COMPREHENSIVE SICKLE CELL CENTER	434,212
INSTITUTION TOTAL	2	450,212	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
1R29 DK40121-01	BECKMAN, JEFFREY K	EFFECTS OF DIETARY FAT ON LIPID PEROXIDATIVE INJURY	61,039
1R01 CA46492-01	DUPONT, WILLIAM D	BREAST CANCER IN WOMEN WITH PROLIFERATIVE BREAST DISEASE	102,593
1R29 HL40056-01	FITZGERALD, DESMOND J	CORONARY THROMBOLYSIS AND PLATELET ACTIVATION	59,149
1R01 GM39509-01	GETTINS, PETER	GLUTATHIONE PEROXIDASE ACTION AND INHIBITION	98,240
1R01 CA47399-01	HANN, STEPHEN R	TWO C-MYC PROTEINS--ROLE IN CELL GROWTH & ONCOGENESIS	124,159
1R01 HL40319-01	JACKSON, EDWIN K	PHYSIOLOGICAL ROLE AF AII-INDUCED ADENOSINE RELEASE	74,711
1R01 HL39952-01	NEWMAN, JOHN H	PHYSIOLOGICAL MECHANISMS OF OXYGEN TOXICITY	40,549
1R01 GM39826-01	SEALY, LINDA J	CELLULAR TRANS-ACTING FACTORS MEDIATING RSV ENHANCER	152,267
INSTITUTION TOTAL	8	712,707	
CITY TOTAL	10	1,162,919	
OAK RIDGE			
ATOM SCIENCES, INC.			
1R43 NS24105-01A2	MOORE, LARRY J	ALUMINUM IN BRAIN DISEASES	34,052
INSTITUTION TOTAL	1	34,052	
BSG, INC.			
1R43 GM38392-01A1	LEDFORD, EDWARD B, JR	HIGH SPEED LCMS FOR CLINICAL BIOCHEMISTRY	50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	2	84,052	
STATE TOTAL	27	2,354,486	
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
1R01 NS25207-01A1	DIEHL, RANDY L	AUDITORY FACTORS IN SPEECH PERCEPTION	119,700
1R29 NR01483-01A1	GROBE, SUSAN	NURSING INTERVENTION LEXICON AND TAXONOMY	65,910
1R29 HL39714-01	HUBBELL, JEFFREY A	MURAL THROMBOSIS ON NATURAL AND ARTIFICIAL SURFACES	64,636
1R01 GM39393-01	KODADEK, THOMAS J	BIOCHEMISTRY OF T4 GENERAL RECOMBINATION	102,822
1R29 GM39338-01	LAU, SERRINE S	GLUTATHIONE CONJUGATION--MEDIATOR OF ORGAN TOXICITY	62,557
1S07 RR05991-01	SANDS, DOLORES	BIOMEDICAL RESEARCH SUPPORT GRANT	8,772
INSTITUTION TOTAL	6	424,397	
CITY TOTAL	6	424,397	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
COLLEGE STATION			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS A & M UNIVERSITY AT COLLEGE STATION			
1R01 AG07739-01	BUSBEE, DAVID L	DNA POLYMERASE ALPHA EXPRESSION--BIOMARKER OF AGING	65,686
1R01 GM39062-01	LOHMAN, TIMOTHY M	ELECTROSTATIC COMPONENT OF PROTEIN-DNA INTERACTIONS	53,875
1R01 GM39736-01	MANSON, MICHAEL D	FUNCTION AND EVOLUTION OF PERIPLASMIC CHEMORECEPTORS	97,414
1R01 GM39303-01	NEWCOMB, MARTIN E	ALKALOID SYNTHESIS BY MILD NITROGEN RADICAL METHODS	63,819
INSTITUTION TOTAL	4	280,794	
CITY TOTAL	4	280,794	
DALLAS			
SOUTHERN METHODIST UNIVERSITY			
1R01 GM39495-01	BUYNAK, JOHN D	STEREOCHEMISTRY OF A CARBON-CARBON BOND-FORMING PROCESS	33,680
INSTITUTION TOTAL	1	33,680	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
1R01 CA46593-01	BAER, RICHARD J	T 11-14 CHROMOSOME TRANSLOCATION IN T CELL LEUKEMIA	67,500
1R03 DE08243-01A1	GATCHEL, ROBERT J	REDUCTION OF ANXIETY IN EMERGENCY ORAL SURGERY PATIENTS	14,900
1R29 HL39830-01	KAPIN, MICHAEL A	NEURAL/OPIATE MODULATION OF CEREBRAL BLOOD FLOW IN SHOCK	53,338
1R01 NS24435-01A1	KRULICH, LADISLAV	REGULATION OF PROLACTIN SECRETION	74,413
1R29 DK39526-01	PHILLIPS, JOSEPH T	PROLACTIN AND CYCLOSPORIN--IMMUNOREGULATORY INTERACTIONS	65,938
1R01 HL39644-01	SUDHOF, THOMAS C	STRUCTURE AND FUNCTION OF THE CALELECTRINS	108,211
INSTITUTION TOTAL	6	384,300	
CITY TOTAL	7	417,980	
FORT WORTH			
TEXAS CHRISTIAN UNIVERSITY			
1R01 NS25726-01	MUELLER, KATHYRNE J	PHARMACOLOGIC CONTROL OF BRAIN ASCORBIC AND URIC ACID	16,693
INSTITUTION TOTAL	1	16,693	
TEXAS COLLEGE OF OSTEOPATHIC MEDICINE			
1R01 AG07695-01	LAL, HARBANS	NEUROBEHAVIORAL AND IMMUNOLOGICAL MARKERS OF AGING	123,240
INSTITUTION TOTAL	1	123,240	
CITY TOTAL	2	139,933	
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
1R29 AI24684-01A1	DREYFUS, LAWRENCE A	VIRULENCE ASSOCIATED TRAITS & LEGIONELLA PATHOGENESIS	66,293

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
1R01 DK40061-01	GREEN, ALLAN	ADENOSINE RECEPTOR REGULATION AND INSULIN ACTION	75,359
1R24 RR04226-01	HANLON, ROGER T	DEVELOPMENT OF A PREPARED DIET FOR CEPHALOPODS	67,273
1R01 ES04132-01A2	HSU, LOUISE L	MULTIGENERATION EFFECTS OF PATERNAL MUTAGEN EXPOSURE	61,258
1R29 CA47346-01	JUNEJA, HARINDER S	LEUKEMIA CELL ADHERENCE PROTEIN IN MARROW METASTASIS	61,829
1R01 AI24335-01A2	KELSOE, GARNETT H	ANALYSIS OF THE MURINE ANTIBODY REPERTOIRE	75,168
1R01 AI23731-01A2	KLIMPEL, GARY R	NATURAL CYTOTOXIC ACTIVITY TO BACTERIA-INFECTED CELLS	80,146
1R29 HD23800-01	LANDRY, SUSAN H	JOINT ATTENTION AND PRETERM INFANT COMPETENCE	58,203
1R29 AI24677-01A1	NIESEL, DAVID W	CA++-MEDIATED ENHANCEMENT OF SALMONELLA INVASION	72,111
1R01 NS24643-01A1	SHINNICK-GALLAGHER, PATRICIA	EPILEPTOGENESIS IN THE AMYGDALA	96,736
1R01 GM40068-01	VOLPE, POMPEO	INOSITOL TRISPHOSPHATE-SENSITIVE CA STORE--CALCIOSOME	103,063
INSTITUTION TOTAL	11	817,439	
CITY TOTAL	11	817,439	
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
1R01 GM38526-01A1	BERGET, SUSAN M	PROCESSING OF PREMESSENGER RNA	86,066
1R01 NS25803-01	CHANG, DONALD C	RESTING POTENTIAL IN NERVE MEMBRANE	82,380
1R01 NS25637-01	GIULIAN, DANA J	STUDY OF MONONUCLEAR PHAGOCYTES WITHIN THE CNS	110,003
1R01 NS25884-01	HRACHOVY, RICHARD A	EFFECT OF HIGH-DOSE ACTH ON INFANTILE SPASMS	65,437
1R03 EY07636-01	IZBICKA-DIMITRIJEVIC, ELZBIE	FUNCTION OF UBIQUITIN IN RAT RETINA	25,000
1R29 HL40624-01	NAVRAN, STEPHEN S	ALPHA ADRENERGIC REGULATION OF THE VASCULAR NA+ PUMP	58,948
1R01 EY07612-01	O'BRIEN, WILLIAM E	AVIAN LENS AND CRYSTALLIN AEQUININOSUCCINATE LYASE	72,031
1R01 EY07518-01	OSATO, MICHAEL S	PATHOGENESIS AND THERAPY OF ACANTHAMOEBA KERATITIS	77,712
1R29 EY07533-01	PENN, JOHN S	AN ANIMAL MODEL FOR RETINOPATHY OF PREMATURITY	60,031
1R01 AG07750-01	RANDERATH, KURT	DNA MODIFICATIONS--I COMPOUNDS AS BIOMARKERS OF AGING	68,879
1R01 HL39141-01A1	SCHNEIDER, MICHAEL D	CONTROL OF CARDIAC GROWTH BY CELLULAR ONCOGENES	70,449
1R01 AR39308-01	YANEVA, MARIANA MITKOVA	ANTIGENIC DETERMINANTS OF THE KU-ANTIGEN	61,437
INSTITUTION TOTAL	12	838,373	
UNIVERSITY OF HOUSTON SYSTEM--UNIVERSITY OF HOUSTON-UNIVERSITY PARK			
1R01 GM39621-01	CLARKE, DAVID E	PUTATIVE ADRENOCEPTOR--DISTINCT FROM A & B SUBTYPES	61,785
1S07 RR05998-01	FLOM, MERTON C	BIOMEDICAL RESEARCH SUPPORT GRANT	29,275
1S10 RR04005-01	FLOM, MERTON C	SRI BINOCULAR DUAL PURKINJE IMAGE EYETRACKER	299,000
INSTITUTION TOTAL	3	390,060	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
1R29 HL40613-01	BOERWINKLE, ERIC	EPIDEMIOLOGY OF GENETIC FACTORS IN LIPID METABOLISM	58,390
1R03 RR04320-01	DEMER, LINDA L	METHOD FOR MONITORING BALLOON ANGIO AND VALVULO-PLASTY	18,465

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
1R01 CA47462-01	HSU, SU-MING	NOVEL CYTOKINE DERIVED FROM HODGKIN'S CELL LINE	89,474
1R01 CA46763-01	KNOLL, BRIAN J	TISSUE SPECIFIC AND NEOPLASTIC GENE EXPRESSION	79,090
1R01 GM39927-01	LI, WEN-HSIUNG	MAMMALIAN GENE STRUCTURE AND MAMMALIAN PHYLOGENY	76,335
1R29 HL39846-01	PRESSLEY, THOMAS A	MOLECULAR BASIS OF CARDIAC GLYCOSIDE AFFINITY	57,656
1R01 AR39218-01	PUTKEY, JOHN A	FUNCTIONAL DOMAINS IN CARDIAC TROPONIN C	80,255
1R29 AR39325-01	REVEILLE, JOHN D	MOLECULAR GENETIC ANALYSIS OF ANKYLOSING SPONDYLITIS	61,159
1R01 CA44800-01A1	STRAYER, DAVID S	PATHOGENESIS OF MALIGNANT FIBROMATOSIS	92,723
1S10 RR04094-01	WOLD, FINN	PURCHASE OF PEPTIDE SYNTHESIZER SYSTEM	98,000
INSTITUTION TOTAL	10	711,547	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
1R01 CA47372-01	ARLINGHAUS, RALPH B	DETECTION OF P210 BCR-ABL IN TISSUES FROM CML PATIENTS	78,861
1S10 RR04140-01	BARLOGIE, BART	UPGRADING OF A FLUORESCENCE-ACTIVATED CELL SORTER	106,000
1R01 CA46629-01	BUTLER, ANDREW P	REGULATION OF ORNITHINE DECARBOXYLASE BY PHOBOL ESTERS	87,723
1R01 CA47276-01	CHAN, JOHN Y	ALTERED DNA LIGASE I IN CANCER-PRONE HEREDITARY DISEASE	81,303
1R13 CA47062-01	DICKE, KAREL A	PLENARY SYMPOSIUM IN THE ANNUAL MEETING OF THE ISEH	10,000
1R01 CA46886-01	FISCHER, SUSAN M	ROLE OF OMEGA-3 PUFA IN CANCER PREVENTION	97,161
1R01 CA46687-01	FRAZIER, MARSHA L	BIOLOGY OF PANCREATIC ADENOCARCINOMA	49,606
1R01 CA45225-01A1	GRIMM, ELIZABETH A	IN VITRO ANALYSIS OF HUMAN LAK CELLS	107,711
1R01 CA46720-01	SAUNDERS, GRADY F	DNA SEQUENCE ORGANIZATION IN THE WILMS TUMOR LOCUS	109,050
1R29 CA46251-01	SCHANTZ, STIMSON P	HEAD & NECK CANCER--CLINICAL IMPACT OF NATURAL IMMUNITY	68,378
1R01 HD23479-01	SHUR, BARRY D	GLYCOSYLTRANSFERASE FUNCTION DURING FERTILIZATION	84,324
1R01 CA42729-01A2	STECK, PETER A	BREAST CANCER BRAIN METASTASIS	86,471
INSTITUTION TOTAL	12	966,588	
CITY TOTAL	37	2,906,568	
SAN ANTONIO			
INDIVIDUAL AWARD--PARMER, JESS N.			
1R01 LM04855-01	PARMER, JESS N	DISEASE, DEBILITY & DEATH IN BRITISH MALAYA	25,000
INSTITUTION TOTAL	1	25,000	
SOUTHWEST FOUNDATION FOR BIOMEDICAL RESEARCH			
1R29 HL40637-01	RAINWATER, DAVID L	LP-A PHENOTYPE ATHEROSCLEROSIS	58,543
INSTITUTION TOTAL	1	58,543	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO			
1R01 CA46900-01	CHAMNESS, GARY C	FLUORESCENT STEROID CONJUGATES FOR ER AND PR STUDIES	85,806

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
SAN ANTONIO			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO			
1R03 DE08470-01	ENGEL, FRANCOISE E	MANDIBULAR CONDYLAR CARTILAGE CELLS IN CULTURE	15,000
1R01 GM37550-01A1	HARDIES, STEPHEN C	MAMMALIAN REPETITIVE SEQUENCES AS A GENETIC TOOL	67,363
1R01 AG07572-01	KALU, DIKE N	MODULATION OF AGING BONE LOSS BY ANABOLIC HORMONES	127,793
1R29 HL41894-01	MIFFLIN, STEVEN W	CHEMORECEPTOR INPUT TO NON-RESPIRATORY CELLS IN NTS	76,625
1R01 NS25766-01	MOBLEY, PHILIP L	ASTROCYTE FUNCTION--ROLE OF PROTEIN KINASE C	70,231
INSTITUTION TOTAL	6	442,818	
CITY TOTAL	8	526,361	
TYLER			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH CENTER AT TYLER			
1R29 HL39702-01	AIKEN, MARTHA L	IDENTIFICATION OF TSP RECEPTORS ON HUMAN CELLS	71,438
1R29 GM39290-01	BLUMENTHAL, DONALD K	MOLECULAR INTERACTIONS OF CALMODULIN WITH TARGET ENZYMES	83,671
INSTITUTION TOTAL	2	155,109	
CITY TOTAL	2	155,109	
STATE TOTAL	77	5,668,581	
UTAH			
SALT LAKE CITY			
TECHNICAL RESEARCH ASSOCIATES, INC.			
1R43 HL40287-01	GHOSH ROY, DILIP N	MAGNETIC RESONANCE IMAGING OF PERFUSION OF BLOOD	18,856
INSTITUTION TOTAL	1	18,856	
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
1R29 HL40333-01	ANDERSON, KELLEY P	ELECTROPHYSIOLOGIC EFFECTS OF MYOCARDIAL HYPERTROPHY	84,488
1R29 NS25387-01	BASTIANI, MICHAEL J	GROWTH CONE GUIDANCE--INTERACTIONS AND SURFACE MOLECULES	90,610
1R01 GM38008-01A1	CALDWELL, KARIN D	FIELD-FLOW FRACTIONATION IN BIOCHEMICAL ANALYSIS	90,030
1R01 GM39335-01	FRANKLIN, MICHAEL R	NOVEL CHARACTERISTICS OF 1-IMIDAZOLE ENZYME INDUCTION	73,419
1R29 DK40012-01	HANSEN, JOANNA L	MOLECULAR STUDIES OF HEMOCHROMATOSIS	62,514
1R29 HL39595-01	IVERIUS, PER-HENRIK	EFFECTS OF SEX STEROIDS OF ADIPOCYTE LIPOPROTEIN LIPASE	69,122
1R01 CA46562-01	LEAVITT, DENNIS D	OPTIMIZATION OF ELECTRON ARC DOSE USING DYNAMIC THERAPY	65,273
1R01 CA47659-01	MILLER, SCOTT C	OCCUPATIONAL RISK REDUCTION BY RADIOTOXIN CHELATION	94,289
1R29 DK38702-01A1	RAMIREZ, MARIA E	FAMILIAL AGGREGATION OF FAT PATTERNS & DISEASE	70,751
1R01 GM39067-01	STILLMAN, DAVID J	MOLECULAR MECHANISMS IN MOTHER SPECIFIC TRANSCRIPTION	83,055
1R01 AI26350-01	SUMMERS, DONALD F	REPLICATION AND CAPSID ANTIGENS OF HEPATITIS A VIRUS	117,171
1R01 HL38840-01A1	WARD, RICHARD H	APOLIPOPROTEIN POLYMORPHISMS AND RISK OF CHD	184,365
1R01 NS21834-01A2	WOODBURY, DIXON M	ANTICONVULSANT & TOLERANCE MECHANISMS OF ACETAZOLAMIDE	73,091

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
1R01 NS26044-01	YIP, HENRY KA-FUN	ROLE OF NERVE GROWTH FACTOR IN DORSAL ROOT REGENERATION	63,498
INSTITUTION TOTAL	14	1,221,676	
CITY TOTAL	15	1,240,532	
STATE TOTAL	15	1,240,532	
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
1R01 HD23542-01	GIBSON, MARK	LUTEAL PHASE DEFECT--EPIDEMIOLOGY AND PATHOPHYSIOLOGY	81,590
1R01 AR38630-01A1	KRAG, MARTIN H	INTERNAL AND EXTERNAL DEFORMATIONS OF THE LUMBAR DISC	136,941
1R01 AR39213-01	POPE, MALCOLM H	IN VIVO MEASURING OF ANTERIOR CRUCIATE LIGAMENT STRAIN	135,490
INSTITUTION TOTAL	3	354,021	
CITY TOTAL	3	354,021	
STATE TOTAL	3	354,021	
VIRGINIA			
ALEXANDRIA			
PHYSICAL SCIENCES, INC.			
1R43 DK40257-01	TUCKER, THOMAS R	FIBEROPTIC ACOUSTIC PROBE FOR PULSED LASER LITHOTRIPSY	24,462
INSTITUTION TOTAL	1	24,462	
CITY TOTAL	1	24,462	
ARLINGTON			
CHI ASSOCIATES, INC.			
1R43 HL40744-01	XU, FENG-SHENG	HORMONE-DEPENDENT ASSAY IN HEMATOLOGIC DISORDERS	42,147
INSTITUTION TOTAL	1	42,147	
CITY TOTAL	1	42,147	
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA CHARLOTTESVILLE			
1R01 GM39271-01	BEYER, ANN L	RNA PROCESSING AND NUCLEAR RIBONUCLEOPROTEIN	68,988
1R01 GM37658-01A1	BILTONEN, RODNEY L	ANESTHETIC ALTERATION OF MEMBRANE-PROTEIN INTERACTIONS	141,423

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA CHARLOTTESVILLE			
1S10 RR03835-01	FOX, JAY W	AMINO ACID ANALYZER AND PROTEIN SEQUENCER	79,000
1R01 HD23789-01	HERR, JOHN C	CLONING AND PURIFICATION OF A SPERM MEMBRANE IMMUNOGEN	89,368
1R01 GM39998-01	IRELAND, ROBERT E	SYNTHESIS OF POLYETHER ANTIBIOTICS--MONENSIN/ANALOGS	148,706
1R29 HL39706-01	JOHNS, ROGER A	OXYGEN TENSION AND ENDOTHELIUM-DEPENDENT VASODILATION	63,421
1R01 NS26176-01	KELLY, THADDEUS E	X-LINKED CHARCOT-MARIE TOOTH DISEASE	54,857
1R01 NS25605-01	LOTHMAN, ERIC W	EXTRACELLULAR ION HOMEOSTASIS IN EPILEPSY	81,704
1R01 GM39087-01	SCHNAITMAN, CARL A	GENETIC ANALYSIS OF THE RFA LOCUS IN ESCHERICHIA COLI	68,032
1R01 DK40137-01	SHEN, TSUNG YING	SYNTHESIS OF INSULIN MEDIATOR AND RELATED STRUCTURES	117,051
1R29 HL39680-01	SKALAK, THOMAS C	MICROVASCULAR NETWORK IN GROWTH & HYPERTENSION	63,421
1R29 CA46723-01	WILLIAMS, MICHAEL E	MOLECULAR GENETICS OF HUMAN MULTIPLE MYELOMA	63,000
INSTITUTION TOTAL 12			1,038,971
CITY TOTAL 12			1,038,971
NORFOLK			
EASTERN VIRGINIA MEDICAL AUTHORITY--EASTERN VIRGINIA MEDICAL SCHOOL			
1R01 CA46269-01	BROTHMAN, ARTHUR R	CYTOGENETIC ANALYSIS OF CELLS DERIVED--PROSTATIC CANCER	83,655
INSTITUTION TOTAL 1			83,655
CITY TOTAL 1			83,655
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
1R29 HL39226-01A1	ELLSWORTH, MARY L	OXYGEN AFFINITY AND OXYGEN TRANSPORT IN STRIATED MUSCLE	82,473
1R01 DK39336-01	FOREMAN, JOHN W	EXPERIMENTAL CYSTINE STORAGE MODEL OF FANCONI SYNDROME	66,395
1R01 AI25537-01	HUFF, THOMAS F	MAST CELL DIFFERENTIATION IN VITRO	77,650
1R01 DK37913-01A1	MOORE, EDWARD W	EFFECTS OF BILE ACIDS ON CALCIUM AND IRON ABSORPTION	87,845
1R01 ES04628-01	SCHUETZ, ERIN	REGULATION OF CYTOCHROME P-450B/E IN HEPATOCYTE CULTURES	75,300
1R25 CA47074-01	SIRICA, ALPHONSE E	WORKSHOP ON THE PATHOBIOLOGY OF NEOPLASIA	14,266
1R29 HL39903-01	SOBEL, MICHAEL	PLATELET-HEPARIN INTERACTIONS IN CARDIOVASCULAR SURGERY	56,519
1R01 AI24480-01A1	SUSSKIND, BRIAN M	CTL DEVELOPMENT BY L-ORNITHINE AND POLYAMINES	71,218
INSTITUTION TOTAL 8			531,666
CITY TOTAL 8			531,666
VIRGINIA BEACH			
CITY OF VIRGINIA BEACH			
1R01 HL37510-01A1	LIAU, GENE	VESSEL WALL INJURY AND REPAIR	79,304
INSTITUTION TOTAL 1			79,304
CITY TOTAL 1			79,304

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	24	1,800,205	
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY			
1R01 ES04326-01A1	FINNELL, RICHARD H	HEAT SHOCK RESPONSE--POTENTIAL TO SCREEN TERATOGENS	56,514
1R29 AI26157-01	JASMER, DOUGLAS P	REGULATION OF MUSCLE GENE EXPRESSION IN TRICHINOSIS	67,680
INSTITUTION TOTAL	2	124,194	
CITY TOTAL	2	124,194	
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER			
1R01 CA47619-01	BECKMANN, ANNA M	PATHOBIOLOGY OF ANOGENITAL HPV INFECTION	70,691
1R01 AR39153-01	HANSEN, JOHN A	HLA-D POLYMORPHISM AND DISEASE SUSCEPTIBILITY	100,251
1S10 RR04124-01	MC DOUGALL, JAMES K	SHARED IMAGE PROCESSING-IMAGE ANALYSIS SYSTEM	300,000
1R01 CA47658-01	MOOLGAVKAR, SURESH H	BIOMATHEMATICAL APPROACHES TO CANCER	86,801
1R29 AR39282-01	NELSON, JUDITH L	HLA-D ALLOANTIGENS:RHEUMATOID ARTHRITIS & REPRODUCTIVITY	67,277
1R29 CA46552-01	VAUGHAN, THOMAS L	EPIDEMIOLOGICAL STUDY OF NASOPHARYNGEAL CANCER	74,493
INSTITUTION TOTAL	6	699,513	
SEATTLE BIOMEDICAL RESEARCH INSTITUTE			
1R29 AI25513-01	FEAGIN, JEAN E	MITOCHONDRIAL GENES OF PLASMODIUM FALCIPARUM	77,770
INSTITUTION TOTAL	1	77,770	
SWEDISH HOSPITAL MEDICAL CENTER			
1R01 AI25606-01	ROSEN, HENRY	OXIDATIVE NEUTROPHIL MICROBICIDAL MECHANISMS	123,660
INSTITUTION TOTAL	1	123,660	
UNIVERSITY OF WASHINGTON			
1R29 CA46410-01	ALI-OSMAN, FRANCIS	GLUTATHIONE IN BRAIN TUMOR RESISTANCE TO NITROSOUREAS	91,524
1R01 GM39520-01	ALMERS, WOLFHARD	ELECTRIC STUDIES OF EXOCYTOSIS AND ENDOCYTOSIS	145,783
1R01 HL40079-01	BENDITT, EARL P	SAA LIPOPROTEIN FAMILY--FUNCTION & ROLE IN AMYLOIDOSIS	123,309
1R29 AG07359-01	BURMER, GLENNA C	CLONING OF THE WERNER'S SYNDROME DEFECT	37,959
1R01 NS25704-01	CATTERALL, WILLIAM A	CELL BIOLOGY OF THE NEURONAL SODIUM CHANNEL	132,042
1R01 NS26678-01	DAWSON, GERALDINE	NEUROPSYCHOLOGY OF AFFECT IN AUTISM	102,275
1R01 NS25724-01	DUBACH, MARK	NEURON TRANSPLANT THERAPY--MODEL OF PARKINSONISM	130,053
1R29 NS25155-01A1	FRANCK, JO ANN E	HIPPOCAMPAL DAMAGE AS A CAUSE OF EPILEPSY	62,690
1R01 GM40111-01	HOFFMAN, ALLAN S	NONFOULING COATINGS ON GAS DISCHARGE TREATED SURFACES	110,585
1R13 AR39151-01	HOFFMAN, ALLAN S	1988 WORLD CONGRESS ON BIOMATERIALS TRAVEL GRANT	20,000

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
1R01 AG07584-01	KUKULL, WALTER ANTHONY	GENETIC DIFFERENCES IN ALZHEIMERS CASES AND CONTROL	137,841
1R01 GM39785-01	LEIGH, JOHN A	RHIZOBIUM EXOPOLYSACCHARIDES AND NODULATION	34,263
1R29 HL38942-01A1	MALVIN, GARY M	MICROVASCULAR DIMENSIONS & GAS EXCHANGE	74,180
1R03 RR04528-01	MARTIN, ROY W	INTRACORONARY ULTRASONIC IMAGING PROBE INVESTIGATION	25,000
1R01 HD23528-01	MOORE, DONALD E	SILENT PID--END STAGE FALLOPIAN TUBE	57,638
1R29 NS25362-01	OLSWANG, LESLEY B	PREDICTING THE BENEFITS OF LANGUAGE TREATMENT	64,038
1R29 HL40628-01	PSATY, BRUCE M	POSTMENOPAUSAL PROGESTINS & THE RISK OF CORONARY DISEASE	59,114
1R01 HL39947-01	ROTH, GERALD J	MOLECULAR CLONING OF HUMAN PLATELET GLYCOPROTEIN IB	95,729
1R01 GM39803-01	STERN, EDWARD A	MICROSECOND XAFS WITH CAPILLARY FOCUSED X-RAYS	204,913
1R01 NS25715-01	TRUMAN, JAMES W	STERIOD REGULATION OF CNS PLASTICITY	56,645
1R01 HL38454-01A1	WEAVER, DOUGLAS	PREHOSPITAL THROMBOLYTIC THERAPY	606,635
1R01 AG07724-01	WOLF, NORMAN S	CELL RENEWAL, SIZE, AND CLONING AS BIOMARKERS OF AGING	138,983
1R01 DK38432-01A1	ZAGER, RICHARD A	SEPSIS INDUCED ACUTE RENAL FAILURE	106,999
INSTITUTION TOTAL	23	2,618,198	
CITY TOTAL	31	3,519,141	
STATE TOTAL	33	3,643,335	
WISCONSIN			
MADISON			
BIOINTERFACE TECHNOLOGIES, INC.			
1R43 HL40772-01	WINGET, RODNER R	EICOSAPENTAENOIC ACID--ALGAE CULTURE TECHNOLOGY	50,000
INSTITUTION TOTAL	1	50,000	
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
1R01 AI25574-01	BETLEY, MARSHA J	STAHYLOCOCCAL NTROTOXIN--STRUCTURE-FUNCTION	93,858
1R29 AI24902-01	HINSHAW, VIRGINIA S	CYTOTOXIC T LYMPHOCYTES IN INFLUENZA VIRUS EVOLUTION	61,820
1R01 HD23820-01	LAUGHON, ALLEN S	HOMEOTIC & SEGMENTATION GENE INTERACTIONS IN DROSOPHILA	116,697
1R01 CA47147-01	NEWCOMB, POLLY A	ALCOHOL CONSUMPTION, LACTATION, AND BREAST CANCER RISK	212,084
1R01 HL39774-01	RAPACZ, JAN	APOLIPOPROTEIN-R MUTATION AND PLASMA LIPID LEVELS	45,938
1R01 GM40092-01	RICH, DANIEL H	DESIGN AND SYNTHESIS OF CYSTEINE PROTEINASE INHIBITORS	81,143
1R01 AG07154-01A1	SMITH, EVERETT L	MUSCLE AND BONE RESPONSE TO EXERCISE IN ELDERLY WOMEN	50,590
1R01 HD23898-01	THOMSON, ELIZABETH J	GENDER AND FERTILITY MOTIVATION	100,778
1R01 EY07117-01A1	VER HOEVE, JAMES N	DEVELOPMENT OF VISUAL ORIENTATION BANDWIDTH IN HUMANS	47,848
1R29 AI24432-01A1	YOUNG, KAREN M	REGULATION OF EOSINOPHILOPOIESIS IN PARASITIC INFECTION	53,085
INSTITUTION TOTAL	10	863,841	
CITY TOTAL	11	913,841	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WISCONSIN			
MILWAUKEE			
BLOOD CENTER OF SOUTHEASTERN WISCONSIN			
1R01 AI26085-01	GORSKI, JACK ANDREW	FUNCTION OF HLA-DR POLYMORPHISMS STUDIED BY MUTAGENESIS	94,435
INSTITUTION TOTAL	1	94,435	
MEDICAL COLLEGE OF WISCONSIN			
1R29 CA46956-01	AHRENS, PATRICIA B	ROLE OF CARBOHYDRATE IN NATURAL KILLER CYTOTOXICITY	64,400
1R01 AR38421-01A1	CHEUNG, HERMAN S	BIOLOGICAL EFFECTS OF BASIC CALCIUM PHOSPHATE CRYSTALS	105,389
1R29 HL38349-01A1	EBERT, THOMAS J	EFFECT OF ATRIAL NATRIURETIC FACTOR IN HUMANS	63,571
1R13 CA46839-01	HYDE, JAMES S	CONFERENCE, MAGNETIC RESONANCE IN BIOLOGICAL SYSTEMS	12,000
1R01 HL34989-01A2	KISSEBAH, AHMED H	SEX HORMONES, FAT DISTRIBUTION AND THE METABOLIC PROFILE	137,204
1R01 HD21765-01A2	OKITA, RICHARD T	CHARACTERIZATION OF THE LUNG PGDH	68,046
1R01 HL39014-01A1	SAGAR, KIRAN B	ULTRASONIC TISSUE CHARACTERIZATION ADAPTATIONS	84,078
INSTITUTION TOTAL	7	534,688	
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MILWAUKEE			
1R29 GM39451-01	RAGSDALE, STEPHEN W	MECHANISMS OF METHYL TRANSFERS IN ACETYL-COA SYNTHESIS	84,554
INSTITUTION TOTAL	1	84,554	
CITY TOTAL	9	713,677	
STATE TOTAL	20	1,627,518	
WYOMING			
LARAMIE			
UNIVERSITY OF WYOMING			
1R29 AI24531-01A1	CORDINGLEY, JOHN S	IMMUNE RESPONSE TO CLONED SCHISTOSOME ANTIGENS	70,099
1S10 RR03954-01	LEWIS, RANDOLPH V	UPDATES FOR MICROCHEMICAL FACILITY	42,000
1R01 HL34286-01A3	MEDEIROS, DENIS M	CARDIAC CHARACTERISTICS IN COPPER DEFICIENCY	50,768
INSTITUTION TOTAL	3	162,867	
CITY TOTAL	3	162,867	
STATE TOTAL	3	162,867	
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES			
1R29 NS26116-01	HENTALL, IAN D	ROLE OF INDIVIDUAL BRAINSTEM NEURONS IN PAIN INHIBITION	61,266
INSTITUTION TOTAL	1	61,266	
CITY TOTAL	1	61,266	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	1	61,266	
AUSTRALIA			
CANBERRA			
AUSTRALIAN NATIONAL UNIVERSITY			
1R01 GM36964-01A2	TYLER, BRETT M	MOLECULAR ANALYSIS OF TRANSCRIPTION IN NEUROSPORA	78,537
INSTITUTION TOTAL	1	78,537	
CITY TOTAL	1	78,537	
STATE TOTAL	1	78,537	
CANADA			
EDMONTON			
UNIVERSITY OF ALBERTA			
1R01 NS25946-01	WEIR, BRYCE K	PATHOPHYSIOLOGY OF CHRONIC CEREBRAL VASOSPASMS	118,860
INSTITUTION TOTAL	1	118,860	
CITY TOTAL	1	118,860	
LONDON			
UNIVERSITY OF WESTERN ONTARIO			
1R01 NS25383-01	LEUNG, LAI-WO S	HIPPOCAMPAL INTERICTAL SPIKES	64,757
INSTITUTION TOTAL	1	64,757	
CITY TOTAL	1	64,757	
TORONTO			
UNIVERSITY OF TORONTO			
1R01 AI25601-01	PENNER, JOHN L	CAMPYLOBACTER PYLORIDIS IN GASTRODUODENAL DISEASE	59,571
INSTITUTION TOTAL	1	59,571	
CITY TOTAL	1	59,571	
VANCOUVER			
UNIVERSITY OF BRITISH COLUMBIA			
1R01 GM39055-01	SMIT, JOHN K	ANALYSIS OF THE PERIODIC SURFACE LAYER OF CAULOBACTER	45,466
INSTITUTION TOTAL	1	45,466	
CITY TOTAL	1	45,466	
STATE TOTAL	4	288,654	

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NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CHINA			
SHANGHAI			
SHANGHAI CANCER INSTITUTE			
1R03 CA47128-01	QIAN, GENG-SUN	AFLATOXIN CONTAMINATION OF COMMONLY EATEN FOODS	19,200
INSTITUTION TOTAL	1	19,200	
CITY TOTAL	1	19,200	
STATE TOTAL	1	19,200	
FRANCE			
PARIS			
PASTEUR INSTITUTE			
1R01 AI25369-01	POLJAK, ROBERTO J	STRUCTURE OF IDIOTYPE-ANTI-IDIOTYPE INTERACTIONS	180,180
INSTITUTION TOTAL	1	180,180	
CITY TOTAL	1	180,180	
STATE TOTAL	1	180,180	
ISRAEL			
JERUSALEM			
HEBREW UNIVERSITY OF JERUSALEM			
1R01 NS24940-01A1	SEGEV, IDAN	INFORMATION PROCESSING	150,673
INSTITUTION TOTAL	1	150,673	
CITY TOTAL	1	150,673	
RAMAT GAN			
BAR-ILAN UNIVERSITY			
1R01 GM39372-01	HAAS, ELISHA	ENERGY TRANSFER IN PARTIALLY ORDERED PROTEINS	124,102
INSTITUTION TOTAL	1	124,102	
CITY TOTAL	1	124,102	
REHOVOT			
WEIZMANN INSTITUTE OF SCIENCE			
1R01 CA42238-01A2	DEGANI, HADASSA	ESTROGEN-INDUCED CHANGES IN BREAST CANCER CELLS	67,118
INSTITUTION TOTAL	1	67,118	
CITY TOTAL	1	67,118	
STATE TOTAL	3	341,893	

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RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NORWAY			
OSLO			
NORWEGIAN RADIUM HOSPITAL			
1R01 GM39582-01	BOYE, ERIK	BACTERIAL DNA REPLICATION STUDIES BY FLOW CYTOMETRY	65,520
INSTITUTION TOTAL	1	65,520	
CITY TOTAL	1	65,520	
STATE TOTAL	1	65,520	
UNITED KINGDOM			
LONDON			
UNIVERSITY OF LONDON			
1R01 HL39457-01	HEARSE, DAVID J	GLUCOSE AND THE PROTECTION OF THE IMMATURE MYOCARDIUM	106,686
INSTITUTION TOTAL	1	106,686	
CITY TOTAL	1	106,686	
NORWICH			
JOHN INNES INSTITUTE			
1R01 GM39784-01	HOPWOOD, DAVID ALAN	MOLECULAR ANALYSIS OF POLYKETIDE SYNTHASE GENES	66,976
INSTITUTION TOTAL	1	66,976	
CITY TOTAL	1	66,976	
STATE TOTAL	2	173,662	
TOTAL	1,237	115,358,579	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
ALABAMA				
BIRMINGHAM				
SOUTHERN RESEARCH INSTITUTE				
1N01 ES85216-00	PREJEAN, JD		PRECHRONIC AND CHRONIC TOXICITY STUDIES OF EMODIN	355,769
1N01 ES85217-00	PREJEAN, JOE D		CHRONIC TOXICITY STUDIES OF P-NITROBENZOIC ACID	242,114
INSTITUTION TOTAL	2	597,883		
CITY TOTAL	2	597,883		
TUSCALOOSA				
UNIVERSITY OF ALABAMA SYSTEM--UNIVERSITY OF ALABAMA IN TUSCALOOSA				
1N01 AI82680-00	BAKER, DAVID C		TARGETING DRUGS TO CENTRAL NERVOUS SYSTEM--AIDS TESTING	212,351
INSTITUTION TOTAL	1	212,351		
CITY TOTAL	1	212,351		
STATE TOTAL	3	810,234		
ARIZONA				
TUCSON				
UNIVERSITY OF ARIZONA				
1N01 LM83506-00	MOUNT, DAVID		AUTOMATIC COMPILATION OF DNA SEQUENCES FROM LAB DATA	50,000
INSTITUTION TOTAL	1	50,000		
CITY TOTAL	1	50,000		
STATE TOTAL	1	50,000		
CALIFORNIA				
LOS ANGELES				
UNIVERSITY OF CALIFORNIA AT LOS ANGELES				
1N01 HD82803-00	ELASHOFF, ROBERT M		MALIGNANT MELANOMA OF WOMEN ON CONTRACEPTIVE STEROIDS	35,948
INSTITUTION TOTAL	1	35,948		
CITY TOTAL	1	35,948		
MENLO PARK				
SRI INTERNATIONAL				
1N01 HD82905-00	HELLER, JORGE		BIODEGRADABLE DRUG DELIVERY SYSTEM	169,081
INSTITUTION TOTAL	1	169,081		
CITY TOTAL	1	169,081		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA				
OAKLAND				
KAISER FOUNDATION HOSPITALS--KAISER FOUNDATION RESEARCH INSTITUTE				
1N01 HV82905-00	GROVER, JOHN A		CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	7,997
INSTITUTION TOTAL	1	7,997		
CITY TOTAL	1	7,997		
SACRAMENTO				
CALIFORNIA STATE HEALTH AND WELFARE AGENCY--DEPARTMENT OF HEALTH SERVICES				
1N01 CP81018-00	AUSTIN, DONALD F		SAN FRANCISCO RESOURCE FOR CANCER EPIDEMIOLOGY	727,299
INSTITUTION TOTAL	1	727,299		
CITY TOTAL	1	727,299		
SAN FRANCISCO				
PACIFIC MEDICAL CENTER				
1N01 EY82101-00	CAVENDER, JOHN C		EVALUATE EARLY VITRECTOMY IN DIABETIC RETINOPATHY	43,309
INSTITUTION TOTAL	1	43,309		
CITY TOTAL	1	43,309		
THOUSAND OAKS				
AMGEN				
1N44 AI82679-00	BURNETTE, NEAL		RECOMBINAT DNA-DERIVED PERTUSSIS SUBUNIT VACCINE	250,000
INSTITUTION TOTAL	1	250,000		
CITY TOTAL	1	250,000		
STATE TOTAL	6	1,233,634		
FLORIDA				
MIAMI				
UNIVERSITY OF MIAMI				
1N01 EY82102-00	BLANKENSHIP, GEORGE W		EVALUATE EARLY VITRECTOMY IN DIABETIC RETINOPATHY	68,287
INSTITUTION TOTAL	1	68,287		
CITY TOTAL	1	68,287		
STATE TOTAL	1	68,287		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
GEORGIA				
ATHENS				
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA				
1N01 AI82682-00	MCCALL, JOHN W		FILARIASIS REPOSITORY--RESEARCH SERVICE	164,777
INSTITUTION TOTAL	1	164,777		
CITY TOTAL	1	164,777		
ATLANTA				
TECHNICON CORPORATION--TECHNICON DATA SYSTEMS CORPORATION				
1N01 CL82101-00	NAME, NOT AVAILABLE		CLINICAL CENTER MEDICAL INFORMATION	124,340
INSTITUTION TOTAL	1	124,340		
CITY TOTAL	1	124,340		
STATE TOTAL	2	289,117		
KENTUCKY				
LEXINGTON				
UNIVERSITY OF KENTUCKY				
1N01 AI82686-00	THOMPSON, JOHN S		REAGENTS AGAINST TISSUE SPECIFIC ANTIGENS	154,566
INSTITUTION TOTAL	1	154,566		
CITY TOTAL	1	154,566		
STATE TOTAL	1	154,566		
MARYLAND				
BALTIMORE				
JOHNS HOPKINS UNIVERSITY				
1N01 EY82105-00	HALLER, JULIA A		ESTABLISHMENT OF AN EYE DISORDERS CASE CONTROL CLINICAL	150,863
INSTITUTION TOTAL	1	150,863		
CITY TOTAL	1	150,863		
KENSINGTON				
CORNING GLASS WORKS--BIONETICS RESEARCH, INC.				
1N01 CP87213-00	MARKHAM, PHILLIP D		ANIMAL FACILITIES AND PERFORMANCE OF EXPERIMENTS & TESTS	395,118
1N01 CP87214-00	SARNGADHARAN, M G		AIDS VIRUS PROTEINS AND NONHUMAN PRIMATE FACILITIES	815,302
INSTITUTION TOTAL	2	1,210,420		
CITY TOTAL	2	1,210,420		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MARYLAND			
ROCKVILLE			
BIOSPHERICS, INC.			
1N01 CO84339-00	MULLINS, DONALD L	RESPONSE TO CANCER-RELATED INQUIRIES	2,299,714
INSTITUTION TOTAL 1	2,299,714		
DARYL LABORATORIES, INC.--MICROBIOLOGICAL ASSOCIATES, INC.			
1N01 ES85214-00	MULLIGAN, LOUIS L	PRECHRONIC TOXICITY STUDIES FOR CASTOR OIL	209,875
INSTITUTION TOTAL 1	209,875		
LABORATORY ANIMAL SERVICES, INC.			
1N01 AR82200-00	FITZGERALD, GWEN H	HOLDING FACILITY FOR AUTOIMMUNE MICE	209,873
INSTITUTION TOTAL 1	209,873		
ORGANON TEKNIKA CORPORATION--BIONETICS, INC.			
1N01 CM87236-00	RANSOM, JANET	PRODUCTION AND TESTING OF HUMAN LYMPHOKINE-ACTIVATED	1,065,000
INSTITUTION TOTAL 1	1,065,000		
PROSPECT ASSOCIATES, LTD.			
1N01 DK82233-00	DARBY, CHARLES	PHYSICIAN BEHAVIORS OF DIABETES MELLITUS	112,716
1N01 CO84343-00	KEARNEY, CHERRI L	SUPPORT SERVICES FOR THE OFFICE OF THE DIRECTOR, NCI	580,918
1N01 DE82572-00	MURPHY, PETER	SERVICES IN SUPPORT OF NIDR R&D PROGRAMS	210,022
INSTITUTION TOTAL 3	903,656		
TECHNICAL RESOURCES, INC.			
1N01 AI82683-00	JOHNSON, DAVID L	RESOURCE SUPPORT SERVICE FOR THE AIDS PROGRAM	1,353,285
INSTITUTION TOTAL 1	1,353,285		
WESTAT, INC.			
1N01 CP85651-00	CADELL, DIANE	BREAST AND OTHER CANCERS FOLLOWING X-RAYS FOR SCOLIOSIS	478,598
INSTITUTION TOTAL 1	478,598		
CITY TOTAL 9	6,520,001		
STATE TOTAL 12	7,881,284		
MASSACHUSETTS			
BOSTON			
BETH ISRAEL HOSPITAL			
1N01 NS82381-00	FRIEDMAN, EMANUEL A	STUDY LABOR AND DELIVERY EFFECTS ON OFFSPRING	141,919

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	141,919		
CITY TOTAL	1	141,919		
MASSACHUSETTS				
CAMBRIDGE				
ARTHUR D. LITTLE, INC.				
1N01 ES85215-00	STRICOFF, SCOTT R		NATIONAL TOXICOLOGY PROGRAM HEALTH AND SAFETY SUPPORT	392,476
1N01 CM87163-00	YESAIR, DAVID W		PHARMACOLOGY AND RADIOAUTOGRAPHY OF ANTITUMOR AGENTS	660,912
INSTITUTION TOTAL	2	1,053,388		
BOLT BERANEK AND NEWMAN, INC.				
1N01 RR82120-00	CASTLEMAN, PAUL A		DEVELOP AND MODIFY PROTOTYPE CLINFO SYSTEM	147,916
INSTITUTION TOTAL	1	147,916		
CITY TOTAL	3	1,201,304		
WORCESTER				
E G & G, INC.--MASON RESEARCH INSTITUTE				
1N01 ES85212-00	LILJA, HERMAN S		CHRONIC TOXICITY STUDIES OF DELTA-9-TETRAHYDROCANNABINOL	301,255
INSTITUTION TOTAL	1	301,255		
CITY TOTAL	1	301,255		
STATE TOTAL	5	1,644,478		
MICHIGAN				
DETROIT				
WAYNE STATE UNIVERSITY				
1N01 EY82104-00	FRANK, ROBERT N		EVALUATE EARLY TREATMENT OF DIABETIC RETINOPATHY	58,402
INSTITUTION TOTAL	1	58,402		
CITY TOTAL	1	58,402		
STATE TOTAL	1	58,402		
MINNESOTA				
MINNEAPOLIS				
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL				
1N01 AI82688-00	FARAS, ANTHONY J		PAPILLOMAVIRUS ANIMAL MODEL FOR THERAPY EVALUATION	191,208
INSTITUTION TOTAL	1	191,208		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	191,208		
STATE TOTAL	1	191,208		
MISSOURI				
KANSAS CITY				
MIDWEST RESEARCH INSTITUTE				
1N01 CM87228-00	MURRILL, EVELYN		ANALYSIS OF FORMULATIONS FOR ANTI-AIDS AGENTS	379,764
INSTITUTION TOTAL	1	379,764		
CITY TOTAL	1	379,764		
STATE TOTAL	1	379,764		
NEW YORK				
NEW YORK				
NATIONAL HEMOPHILIA FOUNDATION				
1N01 AI82678-00	LUSHER, JEANNE		RECRUITING & FOLLOWING HIV INFECTED HEMOPHILIC PATIENTS	2,640,189
INSTITUTION TOTAL	1	2,640,189		
CITY TOTAL	1	2,640,189		
STATE TOTAL	1	2,640,189		
NORTH CAROLINA				
RESEARCH TRIANGLE PARK				
RESEARCH TRIANGLE INSTITUTE				
1N01 CP85649-00	HARRIS, BENJAMIN SH, III		SUPPORT SERVICES FOR RETROVIRUS EPIDEMIOLOGY	771,142
INSTITUTION TOTAL	1	771,142		
CITY TOTAL	1	771,142		
STATE TOTAL	1	771,142		
OHIO				
COLUMBUS				
AMERICAN CHEMICAL SOCIETY--CHEMICAL ABSTRACTS SERVICE				
1N01 LM83505-00	NAME, NOT AVAILABLE		CHEMICAL ABSTRACTS SERVICE LICENSE AGREEMENT	45,260
INSTITUTION TOTAL	1	45,260		
CITY TOTAL	1	45,260		
STATE TOTAL	1	45,260		

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA			
DANVILLE			
GEISINGER FOUNDATION--WEIS CENTER FOR RESEARCH OF THE GEISINGER CLINIC			
1N01 HV82903-00	LAUBACH, CHARLES A, JR	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	3,774
INSTITUTION TOTAL	1	3,774	
CITY TOTAL	1	3,774	
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
1N01 AI82687-00	KERGDER, JOHN W	PAPILLOMAVIRUS ANIMAL MODEL/THERAPY EVALUATION	281,354
INSTITUTION TOTAL	1	281,354	
CITY TOTAL	1	281,354	
PHILADELPHIA			
INFORMATION VENTURES, INC.			
1N01 CO84338-00	CUNNINGHAM-DUNLOP, SILBA	INDEXING/ABSTRACTING/KEYING--CANCER-RELATED LITERATURE	313,081
1N01 LM83507-00	KLEINSTEIN, BRUCE	INDEXING OF BIOMEDICAL LITERATURE	225,704
INSTITUTION TOTAL	2	538,785	
KESSLER COMMUNICATIONS, INC.			
1N01 LM83509-00	KESSLER, SHEILA	INDEXING OF BIOMEDICAL LITERATURE	174,505
INSTITUTION TOTAL	1	174,505	
CITY TOTAL	3	713,290	
STATE TOTAL	5	998,418	
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
1N01 CP81006-00	BUTEL, JANET S	EFFECT OF ENVIRONMENTAL FACTORS ON MMTV EXPRESSION	135,000
INSTITUTION TOTAL	1	135,000	
CITY TOTAL	1	135,000	
STATE TOTAL	1	135,000	
VIRGINIA			
ARLINGTON.			
HERNER & COMPANY			
1N01 LM83508-00	DAY, MELVIN	INDEXING OF BIOMEDICAL LITERATURE	129,973

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR		SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	129,973		
CITY TOTAL	1	129,973		
VIRGINIA				
FAIRFAX				
ERCI FACILITIES SERVICE CORPORATION				
1N01 AI82684-00	LINDEN, FELSER		CELLS, VIRUSES, PROTEINS, CHEMICALS, DRUGS/AIDS RESEARCH	1,248,766
INSTITUTION TOTAL	1	1,248,766		
CITY TOTAL	1	1,248,766		
RICHMOND				
VIRGINIA COMMONWEALTH UNIVERSITY				
1N01 HV82906-00	RICHARDSON, DAVID W		CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	3,358
INSTITUTION TOTAL	1	3,358		
CITY TOTAL	1	3,358		
STATE TOTAL	3	1,382,097		
WASHINGTON				
RICHLAND				
BATTELLE MEMORIAL INSTITUTE--BATTELLE PACIFIC NORTHWEST DIVISION				
1N01 ES85207-00	CHOU, BJ		CHRONIC TOXICITY STUDIES OF TETRAFLUOROETHYLENE	163,113
INSTITUTION TOTAL	1	163,113		
CITY TOTAL	1	163,113		
STATE TOTAL	1	163,113		
PUERTO RICO				
SAN JUAN				
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES				
1N01 EY82103-00	BERROCAL, JOSE		EVALUATE EARLY VITRECTOMY IN DIABETIC RETINOPATHY	43,356
INSTITUTION TOTAL	1	43,356		
CITY TOTAL	1	43,356		
STATE TOTAL	1	43,356		
TOTAL	48	18,939,549		

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CALIFORNIA			
STANFORD			
STANFORD UNIVERSITY			
1T32 AG00164-01	DEMENT, WILLIAM C	RESEARCH TRAINING IN GERIATRIC SLEEP DISORDERS MEDICINE	61,583
INSTITUTION TOTAL	1	61,583	
CITY TOTAL	1	61,583	
STATE TOTAL	1	61,583	
GEORGIA			
ATLANTA			
MOREHOUSE SCHOOL OF MEDICINE			
1T36 GM08251-01	SULLIVAN, WALTER W	SYMPOSIUM ON CAREER OPPORTUNITITES IN BIOMEDICAL SCIENCE	41,300
INSTITUTION TOTAL	1	41,300	
CITY TOTAL	1	41,300	
STATE TOTAL	1	41,300	
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
1T32 AG00162-01	WALLACE, ROBERT B	TRAINING PROGRAM IN EPIDEMIOLOGY & BIOMETRY OF AGING	98,491
INSTITUTION TOTAL	1	98,491	
CITY TOTAL	1	98,491	
STATE TOTAL	1	98,491	
MASSACHUSETTS			
BOSTON			
MASSACHUSETTS EYE AND EAR INFIRMARY			
1T32 EY07097-01	FOSTER, CHARLES S	MULTIDISCIPLINARY TRAINING IN OPHTHALMIC SCIENCE	104,653
INSTITUTION TOTAL	1	104,653	
NEW ENGLAND MEDICAL CENTER HOSPITALS, INC.			
1T32 AI07329-01	KEUSCH, GERALD T	INFECTIOUS DISEASES TRAINING--PATHOGENESIS/HOST RESPONSE	123,129
INSTITUTION TOTAL	1	123,129	
CITY TOTAL	2	227,782	
STATE TOTAL	2	227,782	

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL			
1T32 DK07566-01	NAJARIAN, JOHN S	RESEARCH TRAINING FOR SURGICAL SCIENTISTS	66,328
1T32 CA09607-01	POTTER, JOHN D	CANCER EPIDEMIOLOGY WITH FOCUS ON NUTRITION	60,232
INSTITUTION TOTAL	2	126,560	
CITY TOTAL	2	126,560	
STATE TOTAL	2	126,560	
NEBRASKA			
OMAHA			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
1T32 CA09476-01A3	BRESNICK, EDWARD	CHEMICAL CARCINOGENESIS AND CANCER BIOLOGY	33,214
INSTITUTION TOTAL	1	33,214	
CITY TOTAL	1	33,214	
STATE TOTAL	1	33,214	
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
1T32 GM08252-01	NUSSBAUM, ROBERT L	POSTDOCTORAL TRAINING IN MOLECULAR GENETIC RESEARCH	60,390
INSTITUTION TOTAL	1	60,390	
CITY TOTAL	1	60,390	
PITTSBURGH			
UNIVERSITY OF PITTSBURGH AT PITTSBURGH			
1T32 AI07333-01	HO, MONTO	RESEARCH IN AIDS, VIROLOGY AND LEGIONELLOISIS	61,385
INSTITUTION TOTAL	1	61,385	
CITY TOTAL	1	61,385	
STATE TOTAL	2	121,775	
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
1T32 DK07563-01	GRANNER, DARYL K	MULTIDISCIPLIMARY TRAINING IN MOLECULAR ENDOCRINOLOGY	157,099
INSTITUTION TOTAL	1	157,099	

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR		TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1	157,099		
STATE TOTAL	1	157,099		
TEXAS				
AUSTIN				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN				
1T32 CA09583-01A1	BOSE, HENRY R, JR		TRAINING PROGRAM IN CANCER BIOLOGY	42,498
INSTITUTION TOTAL	1	42,498		
CITY TOTAL	1	42,498		
DALLAS				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS				
1T32 CA09598-01	KRIPKE, MARGARET L		PREDOCTORAL TRAINING PROGRAM IN CANCER IMMUNOBIOLOGY	10,592
INSTITUTION TOTAL	1	10,592		
CITY TOTAL	1	10,592		
HOUSTON				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER				
1T32 CA09599-01	BALCH, CHARLES M		TRAINING OF ACADEMIC SURGICAL ONCOLOGISTS	177,756
INSTITUTION TOTAL	1	177,756		
CITY TOTAL	1	177,756		
SAN ANTONIO				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO				
1T32 AG00165-01	BOWMAN, BARBARA H		TRAINING PROGRAM IN MOLECULAR BASIS OF AGING	80,822
INSTITUTION TOTAL	1	80,822		
CITY TOTAL	1	80,822		
STATE TOTAL	4	311,668		
WISCONSIN				
MADISON				
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON				
1T32 CA09565-01A1	DE METS, DAVID L		TRAINING IN CANCER BIOSTATISTICS	40,790
INSTITUTION TOTAL	1	40,790		
CITY TOTAL	1	40,790		

NIH
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
STATE TOTAL	1	40,790	
TOTAL	16	1,220,262	

* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH
COOPERATIVE AGREEMENTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
SOUTHERN RESEARCH INSTITUTE			
1U01 AI26061-01	MONTGOMERY, JOHN A	OLIGONUCLEOTIDE ANALOGS AS ANTIVIRAL AGENTS	106,208
INSTITUTION TOTAL	1	106,208	
UNIVERSITY OF ALABAMA SYSTEM--UNIVERSITY OF ALABAMA AT BIRMINGHAM			
1U01 HL40166-01	KINNEY, MARGUERITE R	VARIABLES ASSOCIATED WITH ENROLLMENT IN A CLINICAL TRIAL	49,241
1U10 CA47545-01	OMURA, GEORGE A	CANCER AND LEUKEMIA GROUP B	160,276
INSTITUTION TOTAL	2	209,517	
CITY TOTAL	3	315,725	
STATE TOTAL	3	315,725	
CALIFORNIA			
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS			
1U01 AI26471-01	GARDNER, MURRAY B	VACCINATION FOR HIV AND AIDS	733,436
INSTITUTION TOTAL	1	733,436	
CITY TOTAL	1	733,436	
STANFORD			
STANFORD UNIVERSITY			
1U01 AI26031-01	FOUNG, STEVEN K H	INNOVATIVE TARGETED APPROACHES TO CMV INFECTIONS	172,347
INSTITUTION TOTAL	1	172,347	
CITY TOTAL	1	172,347	
STATE TOTAL	2	905,783	
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
1U01 AI26035-01	GOODING, LINDA R	MOLECULAR MECHANISMS OF TNF-ADENOVIRUS INTERACTIONS	146,211
INSTITUTION TOTAL	1	146,211	
CITY TOTAL	1	146,211	
STATE TOTAL	1	146,211	

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NIH
COOPERATIVE AGREEMENTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
1U10 CA47642-01	CLAMON, GERALD H	UNIVERSITY OF IOWA INSTITUTIONAL CALGB GRANT	67,242
INSTITUTION TOTAL	1	67,242	
CITY TOTAL	1	67,242	
STATE TOTAL	1	67,242	
MARYLAND			
BETHESDA			
HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE			
1U01 AI26075-01	HOLMES, KATHRYN V	CORONAVIRUS-RECEPTOR INTERACTIONS	102,478
INSTITUTION TOTAL	1	102,478	
CITY TOTAL	1	102,478	
STATE TOTAL	1	102,478	
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
1U01 AI26077-01	COEN, DONALD M	COMBINED APPROACH TO TARGETED ANTI-HERPESVIRUS DRUGS	113,750
INSTITUTION TOTAL	1	113,750	
CITY TOTAL	1	113,750	
WORCESTER			
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER			
1U01 AI26458-01	ENNIS, FRANCIS A	DEVELOPMENT OF VACCINES TO PREVENT AIDS	427,540
INSTITUTION TOTAL	1	427,540	
CITY TOTAL	1	427,540	
STATE TOTAL	2	541,290	
MISSOURI			
SAINT LOUIS			
JEWISH HOSPITAL OF ST. LOUIS			
1U10 CA47546-01	LYSS, ALAN P	CANCER AND LEUKEMIA GROUP B	96,015
INSTITUTION TOTAL	1	96,015	

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NIH
COOPERATIVE AGREEMENTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	96,015	
STATE TOTAL	1	96,015	
NEW YORK			
UPTON			
ASSOCIATED UNIVERSITIES--BROOKHAVEN NATIONAL LABORATORY			
1U01 AI26049-01	ANDERSON, CARL W	AD2 PROTEINASE--TARGET FOR ANTIVIRAL THERAPY	118,482
INSTITUTION TOTAL	1	118,482	
CITY TOTAL	1	118,482	
STATE TOTAL	1	118,482	
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
1U01 AI26052-01	NEWBOLD, JOHN E	CONVENTIONAL DRUGS & ANTIVIRAL OLIGONUCLEOTIDES FOR HBV	123,343
INSTITUTION TOTAL	1	123,343	
CITY TOTAL	1	123,343	
DURHAM			
DUKE UNIVERSITY			
1U10 CA47577-01	BAST, ROBERT C, JR	CANCER AND LEUKEMIA GROUP B	132,820
INSTITUTION TOTAL	1	132,820	
CITY TOTAL	1	132,820	
STATE TOTAL	2	256,163	
NORTH DAKOTA			
GRAND FORKS			
UNIVERSITY OF NORTH DAKOTA			
1U01 AI26029-01	BERGSTROM, DONALD E	DESIGN & SYNTHESIS OF OLIGONUCLEOTIDE ANALOG ANTIVIRALS	102,316
INSTITUTION TOTAL	1	102,316	
CITY TOTAL	1	102,316	
STATE TOTAL	1	102,316	

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NIH
COOPERATIVE AGREEMENTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE			
MEMPHIS			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
1U10 CA47555-01	MAUER, ALVIN M	CANCER AND LEUKEMIA GROUP B	40,000
INSTITUTION TOTAL	1	40,000	
CITY TOTAL	1	40,000	
STATE TOTAL	1	40,000	
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
1U01 AI26503-01	COREY, LAWRENCE	SUBUNIT IMMUNODEFICIENCY VIRUS VACCINES	1,069,604
INSTITUTION TOTAL	1	1,069,604	
CITY TOTAL	1	1,069,604	
STATE TOTAL	1	1,069,604	
TOTAL	17	3,761,309	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
ALABAMA		
BIRMINGHAM		
UNIVERSITY OF ALABAMA SYSTEM--UNIVERSITY OF ALABAMA AT BIRMINGHAM		
1F32 EY06089-01A1	GNADT, JAMES W	OPTOMETRY
1F32 AI07864-01	SULLENDER, WAYNE M	IMMUNOLOGY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
STATE TOTAL	2	
ARIZONA		
TUCSON		
UNIVERSITY OF ARIZONA		
1F32 ES05437-01	DART, RICHARD C	ENVIRONMENTAL TOXICOLOGY
1F32 GM12427-01	KAWASAKI, ANDREW M	MEDICINAL/PHARMACEUTICAL CHEMISTRY
1F31 NR06227-01	KNOKI-WILSON, URSULA M	NURSING
1F32 GM12390-01	ROLAND, KENNETH L	MOLECULAR BIOLOGY
INSTITUTION TOTAL	4	
CITY TOTAL	4	
STATE TOTAL	4	
ARKANSAS		
LITTLE ROCK		
UNIVERSITY OF ARKANSAS MEDICAL SCIENCES AT LITTLE ROCK		
1F32 DK08095-01	RAPP, RICHARD J	ENDOCRINOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
CALIFORNIA		
BERKELEY		
UNIVERSITY OF CALIFORNIA AT BERKELEY		
1F32 ES05441-01	FARR, SPENCER B	BIOCHEMISTRY
1F32 GM12319-01	GEORGE, IRENE A	ORGANIC CHEMISTRY
1F32 GM12404-01	MANZARA, THIANDA	MOLECULAR BIOLOGY
1F32 GM11837-01A1	PETITHORY, JOANNE R	MOLECULAR BIOLOGY
1F32 ES05447-01	THOMAS, WILLIAM K	MUTAGENESIS

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
CALIFORNIA		
BERKELEY		
UNIVERSITY OF CALIFORNIA AT BERKELEY		
1F32 GM12359-01	YOST, H JOSEPH	MOLECULAR BIOLOGY
INSTITUTION TOTAL	6	
CITY TOTAL	6	
DAVIS		
UNIVERSITY OF CALIFORNIA AT DAVIS		
1F32 AI07893-01	BARRY, PETER A	VIROLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
IRVINE		
UNIVERSITY OF CALIFORNIA AT IRVINE		
1F32 NS08364-01	AGMON, ARIEL	NEUROBIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
LA JOLLA		
SALK INSTITUTE FOR BIOLOGICAL STUDIES		
1F32 DK08102-01	CHURCH, WILLIAM H	BIOCHEMISTRY
1F32 NS08407-01	ROGERS, SCOTT W	NEUROBIOLOGY
INSTITUTION TOTAL	2	
UNIVERSITY OF CALIFORNIA AT SAN DIEGO		
1F32 NS08378-01	HOLLIDAY, JANET	DEVELOPMENTAL BIOLOGY
1F32 NS08176-01A1	KATZ, WILLIAM F	LINGUISTICS
1F06 TW01374-01	SCHREIBMAN, LAURA E	CLINICAL AND COUNSELING PSYCHOLOGY
INSTITUTION TOTAL	3	
CITY TOTAL	5	
LOS ANGELES		
UNIVERSITY OF CALIFORNIA AT LOS ANGELES		
1F32 CA08499-01	FAHNESTOCK, MARGARET L	MICROBIOLOGY
1F31 GM12300-01	PEREZ-LUGO, CARMEN ENID	MOLECULAR BIOLOGY
INSTITUTION TOTAL	2	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
CALIFORNIA		
LOS ANGELES		
UNIVERSITY OF SOUTHERN CALIFORNIA		
1F32 NS08392-01	HESS, STEPHEN D	BIOCHEMISTRY
INSTITUTION TOTAL	1	
CITY TOTAL	3	
MOUNTAIN VIEW		
CALIFORNIA BIOTECHNOLOGY, INC.		
1F32 HL07749-01	GREGORY, LISA C	PHYSIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
PASADENA		
CALIFORNIA INSTITUTE OF TECHNOLOGY		
1F32 DE05445-01	EVANS, JOHN S	ORAL BIOLOGY
1F32 GM12286-01	RAPHAEL, ADRIENNE L	INORGANIC CHEMISTRY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
SAN FRANCISCO		
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO		
1F31 NR06230-01	DREW, BARBARA J	NURSING
1F31 NR06219-01	MILLS, KAY F	NURSING
1F32 GM12441-01	NELSON, CHRISTIAN	MOLECULAR BIOLOGY
1F32 GM12453-01	SHUSTER, ELIZABETH O	MOLECULAR BIOLOGY
INSTITUTION TOTAL	4	
CITY TOTAL	4	
STATE TOTAL	23	
COLORADO		
BOULDER		
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO AT BOULDER		
1F32 GM12432-01	KOONCE, MICHAEL P	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
COLORADO		
DENVER		
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER		
1F32 CA08494-01	KRETT, NANCY L	ENDOCRINOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
FORT COLLINS		
COLORADO STATE UNIVERSITY		
1F32 AI07814-01	POSS, MARY L	INTERNAL MEDICINE
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	3	
CONNECTICUT		
NEW HAVEN		
YALE UNIVERSITY		
1F32 GM11967-01A1	CHANG, AMY Y	GENETICS
1F33 AR08033-01	MC GUIRE, JOSEPH S	BIOLOGY
1F32 DK08096-01	PIETROMONACO, SALVATORE F	CELL BIOLOGY
1F32 CA08506-01	SCHOENEN, FRANK J	ORGANIC CHEMISTRY
INSTITUTION TOTAL	4	
CITY TOTAL	4	
STATE TOTAL	4	
DIST OF COL		
WASHINGTON		
CARNEGIE INSTITUTION OF WASHINGTON, D. C.		
1F32 GM12351-01	WINISKI, ANTHONY P	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
GEORGIA		
ATHENS		
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA		
1F32 GM12372-01	KOLLER, ALAN L	MOLECULAR BIOLOGY

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
GEORGIA		
ATHENS		
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA		
1F32 GM12317-01	SENECOFF, JULIE F	MOLECULAR BIOLOGY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
ATLANTA		
EMORY UNIVERSITY		
1F32 DK08147-01	ROBERTSON, DAVID G	ENDOCRINOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
AUGUSTA		
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA		
1F31 NR06213-01	WILSON, MARY T	NURSING
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	4	
ILLINOIS		
CHICAGO		
UNIVERSITY OF CHICAGO		
1F32 GM12358-01	SUROSKY, RICHARD T	GENETICS
INSTITUTION TOTAL	1	
UNIVERSITY OF ILLINOIS AT CHICAGO		
1F31 NR06239-01	FARRAND, LINDA L	NURSING
1F31 NR06181-01	HEWITT, JEANNE B	NURSING
1F32 DE05528-01	KAY, ELIZABETH D	DEVELOPMENTAL BIOLOGY
INSTITUTION TOTAL	3	
CITY TOTAL	4	
STATE TOTAL	4	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
MARYLAND		
BALTIMORE		
JOHNS HOPKINS UNIVERSITY		
1F31 NR06237-01	BUCKLE, JUNE M	HEALTH ADMINISTRATION AND PUBLIC HEALTH NURSING
1F32 NS08417-01	GIORDANO, JAMES J	PHYSIOLOGY
1F32 NS08358-01	PANG, KEVIN C	PHYSIOLOGICAL PSYCHOLOGY AND PSYCHOBIOLOGY
1F32 GM12394-01	SMITH, PATRICIA A	BIOCHEMISTRY
INSTITUTION TOTAL	4	
CITY TOTAL	4	
BETHESDA		
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--NATIONAL INSTITUTES OF HEALTH		
1F35 HD07125-01	BLACK, BRUCE C	EXPERIMENTAL AND GENERAL PSYCHOLOGY
1F15 TW00315-01	DAVIS, BERNARD D	MICROBIOLOGY
1F15 TW00314-01	KAMEN, MARTIN D	BIOCHEMISTRY
1F33 GM12449-01	MULLINS, JOHN T	MOLECULAR BIOLOGY
INSTITUTION TOTAL	4	
CITY TOTAL	4	
STATE TOTAL	8	
MASSACHUSETTS		
BOSTON		
BETH ISRAEL HOSPITAL		
1F32 DK08144-01	KAUVAR, DAVID R	PHYSIOLOGY
INSTITUTION TOTAL	1	
BOSTON UNIVERSITY		
1F31 GM12288-01	VALLEJO, OSIEL R	BIOCHEMISTRY
INSTITUTION TOTAL	1	
BRIGHAM AND WOMEN'S HOSPITAL		
1F32 HD07159-01	CARROLL, RONA S	INTERNAL MEDICINE
1F32 DK08077-01	KLEIN, PHILIP S	PATHOLOGY
INSTITUTION TOTAL	2	
HARVARD UNIVERSITY		
1F31 NR06225-01	PIESSENS, PATRICIA W	NURSING

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
MASSACHUSETTS		
BOSTON		
HARVARD UNIVERSITY		
1F32 HD06971-01	WILSON, JEAN M	ANATOMY
INSTITUTION TOTAL	2	
JOSLIN DIABETES CENTER		
1F32 DK08126-01	BACKER, JONATHAN M	PHYSIOLOGY
INSTITUTION TOTAL	1	
MASSACHUSETTS EYE AND EAR INFIRMARY		
1F32 EY06104-01	BAER, JOHN C	OPHTHALMOLOGY
INSTITUTION TOTAL	1	
MASSACHUSETTS GENERAL HOSPITAL		
1F32 AI07839-01	CURIEL, TYLER J	IMMUNOLOGY
INSTITUTION TOTAL	1	
NEW ENGLAND MEDICAL CENTER HOSPITALS, INC.		
1F32 DK08148-01	WALTON, KEVIN M	ENDOCRINOLOGY
INSTITUTION TOTAL	1	
TUFTS UNIVERSITY		
1F32 CA08508-01	EMBRETSON, JANET E	VIROLOGY
1F32 EY06105-01	GORDON, MARION K	DEVELOPMENTAL BIOLOGY
INSTITUTION TOTAL	2	
CITY TOTAL	12	
CAMBRIDGE		
HARVARD UNIVERSITY		
1F32 HL07802-01	GOODMAN, GAY	BIOCHEMISTRY
1F32 HD07034-01A1	HENDRICKSON, ERIC A	DEVELOPMENTAL BIOLOGY
1F32 GM12342-01	MACKERELL, ALEXANDER D, JR	BIOPHYSICS
1F32 GM12318-01	POMPLIANO, DAVID L	MOLECULAR BIOLOGY
1F32 GM12357-01	RAND, DAVID M	GENETICS
1F32 DK08018-01A1	ROSENTHAL, EUGENE R	BIOCHEMISTRY
1F32 CA08498-01	SAMMAKIA, TAREK	ORGANIC CHEMISTRY
1F32 GM12320-01	WHARTON, KRISTI A	MOLECULAR BIOLOGY
INSTITUTION TOTAL	8	

NIH
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
MASSACHUSETTS		
CAMBRIDGE		
MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
1F32 GM12414-01	MCDERMOTT, ANN ELIZABETH	PHYSICAL CHEMISTRY
1F32 GM12413-01	TRULSON, MARK O	PHYSICAL CHEMISTRY
INSTITUTION TOTAL	2	
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH		
1F32 HD07107-01	BARKER, DOUGLAS D	DEVELOPMENTAL BIOLOGY
1F32 CA08529-01	SERUNIAN, LESLIE A	BIOCHEMISTRY
INSTITUTION TOTAL	2	
CITY TOTAL	12	
WORCESTER		
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER		
1F32 DK08125-01	ALEXANDER, MARK J	NEUROBIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	25	
MICHIGAN		
ANN ARBOR		
UNIVERSITY OF MICHIGAN AT ANN ARBOR		
1F31 NR06159-01	KING, CAROL C	SOCIAL/BEHAVIORAL SCIENCES
INSTITUTION TOTAL	1	
CITY TOTAL	1	
EAST LANSING		
MICHIGAN STATE UNIVERSITY		
1F32 GM12383-01	DE PAULA, JULIO C	PHYSICAL CHEMISTRY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	2	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
MINNESOTA		
MINNEAPOLIS		
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL		
1F31 NR06242-01	ANDERSON, KATHRYN E	SOCIAL/BEHAVIORAL SCIENCES
1F32 GM12456-01	PARSONS, EDITH J	ORGANIC CHEMISTRY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
STATE TOTAL	2	
MISSOURI		
COLUMBIA		
UNIVERSITY OF MISSOURI-COLUMBIA		
1F32 RR05033-01	VOGELWEID, CATHERINE M	EXPERIMENTAL PATHOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
SAINT LOUIS		
WASHINGTON UNIVERSITY		
1F32 GM11668-01A1	CAMERON, SYDNEY A	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	2	
NEW JERSEY		
PISCATAWAY		
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-ROBERT WOOD JOHNSON MEDICAL SCHOOL		
1F32 GM11970-01A1	LAMPSON, BERT C	BIOCHEMISTRY
1F32 GM12446-01	LERNER, CLAUDE G	BIOCHEMISTRY
1F32 GM12350-01	RAMPERSAUD, ARFAAN A	MOLECULAR BIOLOGY
INSTITUTION TOTAL	3	
CITY TOTAL	3	
STATE TOTAL	3	
NEW MEXICO		
ALBUQUERQUE		
LOVELACE MEDICAL FOUNDATION		
1F32 ES05444-01	HERBERT, RONALD A	PATHOLOGY

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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
NEW YORK		
COLD SPRING HARBOR		
COLD SPRING HARBOR LABORATORY		
1F32 GM12410-01	MEYERTONS, JANISE L	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
ITHACA		
CORNELL UNIVERSITY ITHACA		
1F32 GM12403-01	BOND, JEFFREY P	BIOCHEMISTRY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
NEW YORK		
COLUMBIA UNIVERSITY--COLUMBIA UNIVERSITY NEW YORK		
1F32 CA08490-01	ANSLYN, ERIC V	ORGANIC CHEMISTRY
1F33 DE05519-01	FINE, DANIEL H	MICROBIOLOGY
1F32 CA08518-01	FRIEDMAN, ALAN E	INORGANIC CHEMISTRY
1F32 GM12308-01	MOSS, ROBERT E	DEVELOPMENTAL BIOLOGY
1F32 DK08122-01	SULLIVAN, STEPHEN K	PHYSIOLOGY
INSTITUTION TOTAL	5	
NEW YORK UNIVERSITY		
1F32 GM12367-01	WOLLNER, DEBRA A	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
ROCKEFELLER UNIVERSITY		
1F32 GM12464-01	WADDELL, SHERMAN T	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
STATE UNIVERSITY OF NEW YORK--HEALTH SCIENCE CENTER AT BROOKLYN		
1F32 NS08408-01	SHARP, PATRICIA E	PHYSIOLOGICAL PSYCHOLOGY AND PSYCHOBIOLOGY
INSTITUTION TOTAL	1	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
NEW YORK		
NEW YORK		
YESHIVA UNIVERSITY		
1F31 GM12301-01	DUFFUS, WAYNE A	BIOLOGY
1F32 GM12373-01	KVALNES-KRICK, KALLA L	MOLECULAR BIOLOGY
INSTITUTION TOTAL	2	
CITY TOTAL	10	
ROCHESTER		
UNIVERSITY OF ROCHESTER		
1F32 EY06117-01	PACKER, ORIN S	EXPERIMENTAL AND GENERAL PSYCHOLOGY
1F32 CA08521-01	VARGAS, J RAMON	ORGANIC CHEMISTRY
1F32 GM12429-01	ZUCKER, KEITH E	MOLECULAR BIOLOGY
INSTITUTION TOTAL	3	
CITY TOTAL	3	
STONY BROOK		
STATE UNIVERSITY OF NEW YORK AT STONY BROOK		
1F32 EY06101-01	BICKFORD, MARTHA E	NEUROBIOLOGY
1F32 HL07891-01	FENJVES, ELIZABETH S	CELL BIOLOGY
1F32 DE05531-01	GARLICK, JONATHAN A	ORAL BIOLOGY
INSTITUTION TOTAL	3	
CITY TOTAL	3	
STATE TOTAL	18	
NORTH CAROLINA		
CHAPEL HILL		
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL		
1F32 DK08138-01	GORES, GREGORY J	CELL BIOLOGY
1F32 CA08493-01	PAVALKO, FREDRICK M	CELL BIOLOGY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
DURHAM		
DUKE UNIVERSITY		
1F32 GM12326-01	BURNS, DAVID J	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	

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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
CITY TOTAL	1	
NORTH CAROLINA		
RALEIGH		
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH		
1F32 AG05380-01A1	MACKAY, WILLIAM J	AGING PROCESS
INSTITUTION TOTAL	1	
CITY TOTAL	1	
RESEARCH TRIANGLE PARK		
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIS		
1F32 ES05440-01	ROBERTSON, JILL S	ENVIRONMENTAL TOXICOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	5	
OHIO		
CINCINNATI		
UNIVERSITY OF CINCINNATI AT CINCINNATI		
1F32 GM12331-01	LEE, RICHARD F	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
CLEVELAND		
CASE WESTERN RESERVE UNIVERSITY		
1F32 DK08097-01	HILLGARTNER, FRANK B	ENDOCRINOLOGY
1F32 DK08132-01	KENNEDY, GIULIA	ENDOCRINOLOGY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
COLUMBUS		
OHIO STATE UNIVERSITY		
1F32 GM12434-01	LEICHT, BRENDA G	GENETICS
INSTITUTION TOTAL	1	
CITY TOTAL	1	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
STATE TOTAL	4	
OKLAHOMA		
OKLAHOMA CITY		
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER		
1F33 HL07783-01	GESELOWITZ, DAVID B	PHYSIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
OREGON		
CORVALLIS		
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY		
1F32 ES05445-01	COLLODI, PAUL	ENVIRONMENTAL TOXICOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
EUGENE		
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON		
1F32 GM12473-01	REDDY, MICHAEL K	MOLECULAR BIOLOGY
1F32 GM11106-01A1	RODERICK, STEVEN L	BIOCHEMISTRY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
PORTLAND		
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON HEALTH SCIENCES UNIVERSITY		
1F31 NR06216-01	SCHULTZ, ALYCE A	NURSING
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	4	
PENNSYLVANIA		
PHILADELPHIA		
TEMPLE UNIVERSITY		
1F32 HL07795-01	DE LA CADENA, RAUL A	BIOCHEMISTRY
INSTITUTION TOTAL	1	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
PENNSYLVANIA		
PHILADELPHIA		
UNIVERSITY OF PENNSYLVANIA		
1F32 DK08145-01	FURTH, EMMA E	BIOCHEMISTRY
1F32 GM12386-01	HOWITZ, KONRAD T	MOLECULAR BIOLOGY
1F31 NR06205-01	WEAVER, TERRI E	NURSING
INSTITUTION TOTAL	3	
CITY TOTAL	4	
UNIVERSITY PARK		
PENNSYLVANIA STATE UNIVERSITY AT UNIVERSITY PARK		
1F32 GM12310-01	JOHNSON, DANA L	MOLECULAR BIOLOGY
1F32 GM12340-01	ROBERTSON, JAMES G	CHEMISTRY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
STATE TOTAL	6	
SOUTH CAROLINA		
COLUMBIA		
UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA		
1F33 NS08390-01	MONTGOMERY, ALLEN A	COMMUNICATIVE SCIENCES
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
TENNESSEE		
NASHVILLE		
VANDERBILT UNIVERSITY		
1F32 GM12415-01	SHATTUCK, REBECCA L	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
TEXAS		
COLLEGE STATION		
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS A & M UNIVERSITY AT COLLEGE STATION		
1F32 HL07782-01	MEININGER, CYNTHIA J	CELL BIOLOGY

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
INSTITUTION TOTAL	1	
CITY TOTAL	1	
TEXAS		
HOUSTON		
BAYLOR COLLEGE OF MEDICINE		
1F33 HD07100-01	HENNING, SUSAN J	MOLECULAR BIOLOGY
1F32 GM12305-01	PETTIGREW, ANJANA L	GENETICS
1F32 HL07785-01	STANFIELD, MARGARET C	PHYSIOLOGY
INSTITUTION TOTAL	3	
CITY TOTAL	3	
SAN ANTONIO		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO		
1F32 HL07789-01	KIEL, JEFFREY W	PHYSIOLOGY
1F32 DE05535-01	WEINBERG, AARON	MICROBIOLOGY
INSTITUTION TOTAL	2	
CITY TOTAL	2	
STATE TOTAL	6	
UTAH		
SALT LAKE CITY		
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH		
1F32 GM12406-01	ROSENBERG, SUSAN M	GENETICS
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
VIRGINIA		
BLACKSBURG		
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY		
1F32 AI07873-01	JACOBSON, MARTY R	GENETICS
INSTITUTION TOTAL	1	
CITY TOTAL	1	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
VIRGINIA		
CHARLOTTESVILLE		
UNIVERSITY OF VIRGINIA CHARLOTTESVILLE		
1F32 GM11838-01A1	BELL, JOHN D	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	2	
WASHINGTON		
SEATTLE		
FRED HUTCHINSON CANCER RESEARCH CENTER		
1F32 HL07808-01	KALEKO, MICHAEL	INTERNAL MEDICINE
INSTITUTION TOTAL	1	
UNIVERSITY OF WASHINGTON		
1F32 HD07121-01	ASTHEIMER, LEE B	REPRODUCTIVE PHYSIOLOGY
1F32 EY06100-01	BENTLEY, JOHN K	BIOCHEMISTRY
1F32 HL07797-01	MARZETTA, CAROL A	BIOCHEMISTRY
1F32 GM12343-01	ORELLANA, STEPHANIE A	MOLECULAR BIOLOGY
INSTITUTION TOTAL	4	
CITY TOTAL	5	
STATE TOTAL	5	
SWEDEN		
STOCKHOLM		
CAROLINE INSTITUTE		
1F32 ES05442-01	DUDDY, STEVEN K	ENVIRONMENTAL TOXICOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
SWITZERLAND		
GENEVA		
UNIVERSITY OF GENEVA		
1F32 NS08499-01	KIRSCHENBAUM, SHEILA R	BIOLOGY
INSTITUTION TOTAL	1	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
CITY TOTAL	1	
STATE TOTAL	1	
UNITED KINGDOM		
CAMBRIDGE		
MEDICAL RESEARCH COUNCIL		
1F32 GM12399-01	MANSER, JAMES R	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
UNIVERSITY OF CAMBRIDGE		
1F32 EY06103-01	BLACKWELL, KIM L	EXPERIMENTAL AND GENERAL PSYCHOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	2	
LONDON		
IMPERIAL CANCER RESEARCH FUND		
1F32 GM12400-01	ENOCH, TAMAR L	MOLECULAR BIOLOGY
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	3	
TOTAL	148	

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH
ARIZONA		
TEMPE		
ARIZONA STATE UNIVERSITY		
1K04 CA01349-01	SKIBO, EDWARD B	DESIGN OF ANTITUMOR REDUCTIVE ALKYATORS
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
ARKANSAS		
LITTLE ROCK		
UNIVERSITY OF ARKANSAS MEDICAL SCIENCES AT LITTLE ROCK		
1K04 AR01799-01	WEBBER, RICHARD J	FIBROCARTILAGINOUS KNEE JOINT MENISCI--BILOGY/REPAIR
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
CALIFORNIA		
LA JOLLA		
UNIVERSITY OF CALIFORNIA AT SAN DIEGO		
1K08 AI00883-01	MATTHEWS, BARBARA G	GENETIC MANIPULATION OF BACTERIODES
INSTITUTION TOTAL	1	
CITY TOTAL	1	
LOS ANGELES		
UNIVERSITY OF CALIFORNIA AT LOS ANGELES		
1K08 HD00831-01	GRODY, WAYNE W	GENE TRANSFER OF HUMAN ARGINASE
1K08 NS01285-01	NEWMAN, ANITA NADINE	REGENERATION OF THE EIGHTH CRANIAL NERVE
INSTITUTION TOTAL	2	
CITY TOTAL	2	
SAN FRANCISCO		
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO		
1K11 HL02060-01	CURTIN, PETER T	STRUCTURE & FUNCTION OF A UNIQUE B-THALASSEMIA DELETION
1K08 NS01281-01	HARSH, GRIFFITH R	PDGF IN CNS TUMORS, ATHEROSCLEROSIS, AND VASOSPASM
INSTITUTION TOTAL	2	
CITY TOTAL	2	

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH
CALIFORNIA		
STANFORD		
STANFORD UNIVERSITY		
1K04 AR01782-01A1	MORHENN, VERA B	CHARACTERIZATION AND CULTURE OF HUMAN LANGERHANS CELLS
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	6	
COLORADO		
DENVER		
NATIONAL JEWISH CENTER FOR IMMUNOLOGY AND RESPIRATORY MEDICINE		
1K08 AI00863-01	BILL, JEROME R	1-A BM12 SPECIFIC T CELL RECEPTOR REPERTOIRE
INSTITUTION TOTAL	1	
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO HEALTH		SCIENCES CENTER
1K04 HL02072-01	CARSON, STEVEN D	CONTROL OF TISSUE FACTOR ACTIVITY
1K08 NS01272-01	ENGLAND, JOHN D	DOXORUBICIN-INDUCED MOTOR NEURON AND SCHWANN CELL DEATH
INSTITUTION TOTAL	2	
CITY TOTAL	3	
STATE TOTAL	3	
CONNECTICUT		
NEW HAVEN		
YALE UNIVERSITY		
1K11 DK01825-01	ISALES, CARLOS M	CRITICAL CELLULAR EVENTS IN ALDOSTERONE SYNTHESIS
1K11 AR01796-01	KIPNIS, ROBERT J	STRUCTURE AND FUNCTION OF THE NOR 90K AUTOANTIGEN
1K11 HL02052-01	PETIT, WILLIAM A, JR	IN VIVO NMR STUDIES OF HEART ENERGY METABOLISM
INSTITUTION TOTAL	3	
CITY TOTAL	3	
STATE TOTAL	3	
DIST OF COL		
WASHINGTON		
AMERICAN NATIONAL RED CROSS		
1K04 HL02113-01	STRICKLAND, DUDLEY K	REGULATION OF PROTEASE ACTIVITY BY ALPHA 2-MACROGLOBULIN
INSTITUTION TOTAL	1	

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH
CITY TOTAL	1	
STATE TOTAL	1	
FLORIDA		
MIAMI		
UNIVERSITY OF MIAMI		
1K08 NS01142-01A2	SANCHEZ-RAMOS, JUAN R	CELLULAR TOXICOLOGY OF THE DOPAMINE NEURON
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
ILLINOIS		
CHICAGO		
UNIVERSITY OF CHICAGO		
1K11 DK01817-01	MELVIN, TYRONE	PROTEOGLYCANS IN NORMAL/ABNORMAL RENAL ONTOGENY
1K04 CA01337-01	WINKLER, JEFFREY D	NEW METHODOLOGY FOR THE SYNTHESIS OF ANTI TUMOR AGENTS
INSTITUTION TOTAL	2	
CITY TOTAL	2	
STATE TOTAL	2	
INDIANA		
BLOOMINGTON		
INDIANA UNIVERSITY AT BLOOMINGTON		
1K04 AI00874-01	JAEHNING, JUDITH A	MOLECULAR MECHANISMS OF YEAST TRANSCRIPTION
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
KENTUCKY		
LOUISVILLE		
UNIVERSITY OF LOUISVILLE		
1K08 NS01164-01A1	CHANGARIS, DAVID G	INJURED BRAIN AND NOVEL GENERATION OF ANGIOTENSIN
INSTITUTION TOTAL	1	
CITY TOTAL	1	

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GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH
STATE TOTAL	1	
MARYLAND		
BALTIMORE		
JOHNS HOPKINS UNIVERSITY		
1K11 CA01326-01	FRIEDMAN, ALAN D	MECHANISMS OF TRANS-ACTIVATION OF HERPESVIRUS GENES
1K08 NS01293-01	SCHLEIEN, CHARLES L	CEREBRAL BLOOD FLOW AND METABOLISM DURING INFANT CPR
INSTITUTION TOTAL	2	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE PROFESSIONAL SCHOOL		
1K08 NS01255-01	DMYTRENKO, GEORGE M	BASAL LAMINA IN REGENERATION AND REINNERVATION
INSTITUTION TOTAL	1	
CITY TOTAL	3	
STATE TOTAL	3	
MASSACHUSETTS		
BOSTON		
HARVARD UNIVERSITY		
1K11 AI00865-01	DERMODY, TERENCE S	MOLECULAR BASIS OF PERSISTENT REOVIRUS INFECTION
1K04 ES00180-01	ROBINS, JAMES M	CONTROL OF BIAS WHEN RISK FACTORS DETERMINE EXPOSURE
INSTITUTION TOTAL	2	
NEW ENGLAND MEDICAL CENTER HOSPITALS, INC.		
1K08 NS01212-01A1	BUSCH, BETSY	LONGITUDINAL STABILITY OF NEURODEVELOPMENTAL FINDINGS
INSTITUTION TOTAL	1	
CITY TOTAL	3	
WALTHAM		
BRANDEIS UNIVERSITY		
1K08 NS01259-01	RESTIFO, LINDA L	GENETIC AND HORMONAL CONTROL OF NEURAL REORGANIZATION
INSTITUTION TOTAL	1	
EUNICE KENNEDY SHRIVER CENTER FOR MENTAL RETARDATION		
1K08 NS01251-01	SHORT, MARION P	RETROVIRAL GENE TRANSFER INTO PRIMARY ASTROCYTE
INSTITUTION TOTAL	1	
CITY TOTAL	2	

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GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH
STATE TOTAL	5	
MICHIGAN		
ANN ARBOR		
UNIVERSITY OF MICHIGAN AT ANN ARBOR		
1K08 CA01323-01	CEASE, KEMP B	NCI CLINICAL INVESTIGATOR AWARD
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
MINNESOTA		
MINNEAPOLIS		
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL		
1K11 CA01342-01	SKILLING, STEPHEN R	MODULATION PRIMARY AFFERENT ACTIVITY/EAAS/SUBSTANCE P
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
NORTH CAROLINA		
GREENSBORO		
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT GREENSBORO		
1K04 NS01267-01	MARSCHARK, MARC	STUDY AND RESEARCH ON DEAFNESS AND DEVELOPMENT
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
OHIO		
CLEVELAND		
CASE WESTERN RESERVE UNIVERSITY		
1K04 AG00415-01	PERRY, GEORGE	AMYLOID PRECURSOR IN ALZHEIMER DISEASE
1K08 NS01265-01	RANSOHOFF, RICHARD M	MOLECULAR BASIS/INTERFERON ACTION--MULTIPLE SCLEROSIS
INSTITUTION TOTAL	2	
CITY TOTAL	2	

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GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH
OHIO		
COLUMBUS		
CHILDREN'S HOSPITAL		
1K08 NS01235-01A1	LO, WARREN D	VASCULAR PERMEABILITY AND BRAIN EDEMA IN BRAIN ABSCESS
INSTITUTION TOTAL	1	
OHIO STATE UNIVERSITY		
1K04 ES00163-01A1	WILLIAMS, MARSHALL V	MECHANISM OF MERCURY TOXICITY AND CARCINOGENICITY CELLS
INSTITUTION TOTAL	1	
CITY TOTAL	2	
STATE TOTAL	4	
PENNSYLVANIA		
PHILADELPHIA		
MOSS REHABILITATION HOSPITAL		
1K04 NS01262-01	SCHWARTZ, MYRNA F	APPLIED COGNITIVE NEUROPSYCHOLOGY
INSTITUTION TOTAL	1	
UNIVERSITY OF PENNSYLVANIA		
1K08 NS01250-01	BUCHHALTER, JEFFREY R	REGULATION OF SYNAPTIC TRANSMISSION
1K08 NS01284-01	COHEN, JEFFREY A	MOLECULAR BIOLOGY--BETA-ADRENERGIC/REOVIRUS RECEPTOR
1K04 CA01335-01	PENNING, TREVOR M	DIHYDRODIOL DEHYDROGENASE AND PAH DETOXIFICATION
INSTITUTION TOTAL	3	
CITY TOTAL	4	
STATE TOTAL	4	
RHODE ISLAND		
PROVIDENCE		
BROWN UNIVERSITY		
1K04 NS01271-01	CONNORS, BARRY W	FUNCTIONAL ORGANIZATION OF LOCAL NEOCORTICAL CIRCUITS
1K04 CA01330-01	WILLIARD, PAUL G	STRUCTURAL STUDIES OF ENOLATES FOR ORGANIC SYNTHESIS
INSTITUTION TOTAL	2	
CITY TOTAL	2	
STATE TOTAL	2	

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH
TEXAS		
DALLAS		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS		
1K08 AR01769-01A1	NIXON-FULTON, JACKIE L	ONTOGENY AND DIFFERENTIATION OF THY-1 EPIDERMAL CELLS
INSTITUTION TOTAL	1	
CITY TOTAL	1	
HOUSTON		
BAYLOR COLLEGE OF MEDICINE		
1K04 HL02114-01	GUYTON, JOHN R	ARTERIAL WALL AND LIPID DEPOSITION
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	2	
WASHINGTON		
SEATTLE		
FRED HUTCHINSON CANCER RESEARCH CENTER		
1K08 CA01333-01	ANDREWS, DAVID F	NCI CLINICAL INVESTIGATOR AWARD PROGRAM
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	1	
TOTAL	44	

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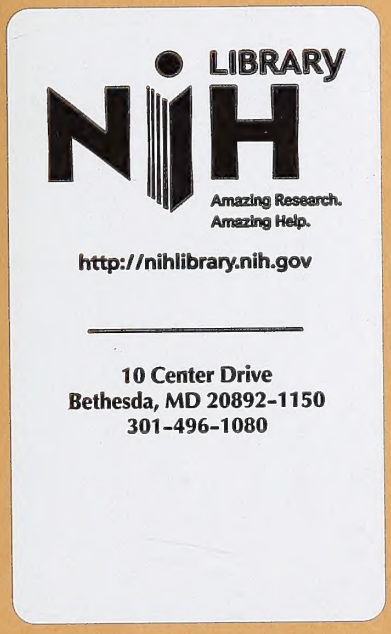

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